SONY COMPUTER ENTERTAINMENT

SCPH-9000 SERIES

SERVICE MANUAL

3rd Edition

Japan Model
SCPH-9000

US/Canada Model
SCPH-9001

Australia Model
SCPH-9002A

UK Model
SCPH-9002B

AEP Model
SCPH-9002C

Asia Model
SCPH-9003

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Sony Computer Entertainment Inc.
Customer Service Dept.

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PlayStation®

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Revisions

Design and specifications are subject to change with out notice.
SCEI. Customer Service Dept. Service web site PS SERVICE PLAZA (http:// svc. scei. co. jp) should be used together with this manual.

Attention

Ordering replacement components.
SCEI. Customer Service Dept. Parts-Group is received PlayStation-repair parts order. When you want to get them. Please accesses to this E-mail address. (sec_parts@ hq. scei. sony. co. jp)

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SECTION 1
SPECIFICATIONS

SCPH-9000

General
Power requirements
100 V AC, 50/60 Hz
Power consumption
9 W
Dimensions
270 × 60 × 188 mm (w/h/d)
Mass
1.2 kg

Laser diode properties
- Material : GaAlAs
- Wavelength : 1 = 780 nm
- Emission duration : Continuous
- Laser output : Less than 44.6 µW
(measured at a distance of 200 mm from the lens surface on the optical pick-up block)

Inputs/ Outputs on the front
Controller ports (2)
Memory card slots (2)

Inputs/Outputs on the rear
Serial I/O port (1)

Outputs on the rear
AV Multi out port

Supplied accessories
AC power cord (1)
A/V connecting cable (1)
Analog controller (1)
Instruction manual (1)

SCPH-9001

General
Power requirements
120 V AC, 60 Hz
Power consumption
17 W
Dimensions
270 × 60 × 188 mm (w/h/d)
Mass
1.3 kg

Laser diode properties
- Material : GaAlAs
- Wavelength : 1 = 780 nm
- Emission duration : Continuous
- Laser output : Less than 44.6 µW
(measured at a distance of 200 mm from the lens surface on the optical pick-up block)

Inputs/ Outputs on the front
Controller ports (2)
Memory card slots (2)

Inputs/Outputs on the rear
Serial I/O port (1)

Outputs on the rear
AV Multi out port (1)

Supplied accessories
AC power cord (1)
A/V connecting cable (1)
Analog controller (1)
Instruction manual (1)

SCPH-9002/A/B/C

General
Power requirements
220-240 V AC, 50 Hz
Power consumption
10 W
Dimensions
270 × 60 × 188 mm (w/h/d)
Mass
1.2 kg

Laser diode properties
- Material : GaAlAs
- Wavelength : 1 = 780 nm
- Emission duration : Continuous
- Laser output : Less than 44.6 µW
(measured at a distance of 200 mm from the lens surface on the optical pick-up block)

Inputs/ Outputs on the front
Controller ports (2)
Memory card slots (2)

Inputs/Outputs on the rear
Serial I/O port (1)

Outputs on the rear
AV Multi out port (1)

Supplied accessories
AC power cord (1)
A/V connecting cable (1)
(except for the SCPH-9002B)
Analog controller (1)
Instruction manual (1)
RFU adaptor (1)
(for SCPH-9002B)
AV-connector plug (1)
(for SCPH-9002C)

SCPH-9003

General
Power requirements
110-240 V AC, 50/60 Hz
Power consumption
11 W
Dimensions
270 × 60 × 188 mm (w/h/d)
Mass
1.2 kg

Laser diode properties
- Material : GaAlAs
- Wavelength : 1 = 780 nm
- Emission duration : Continuous
- Laser output : Less than 44.6 µW
(measured at a distance of 200 mm from the lens surface on the optical pick-up block)

Inputs/ Outputs on the front
Controller ports (2)
Memory card slots (2)

Inputs/Outputs on the rear
Serial I/O port (1)

Outputs on the rear
AV Multi out port (1)

Supplied accessories
AC power cord (1)
A/V connecting cable (1)
Analog controller (1)
Adapter Conversion 2P (1)
Instruction manual (1)

Design and specifications are subject to change without notice.

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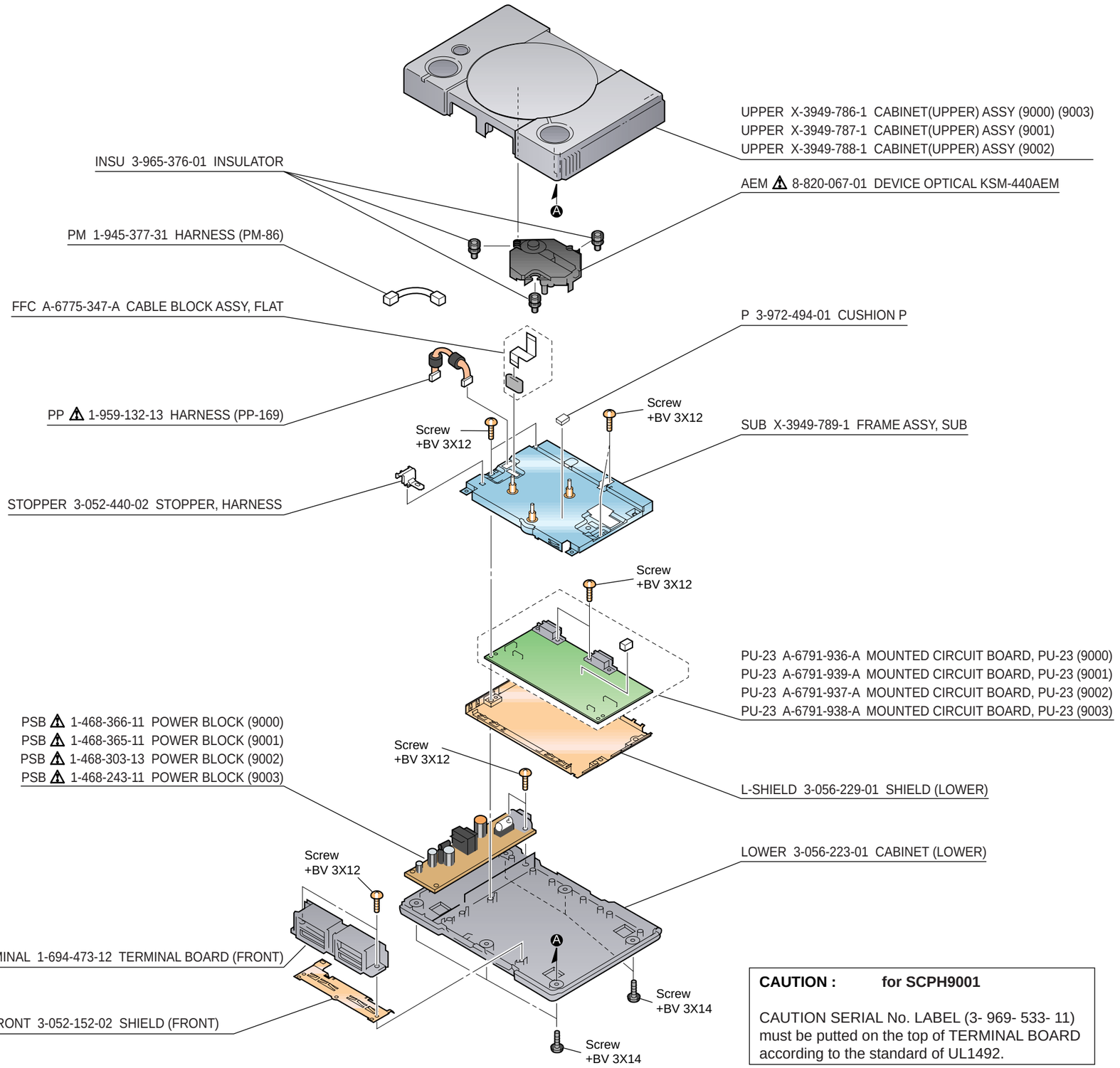
SECTION 2
EXPLODED VIEW

CAUTION

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

CAUTION :
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.


UPPER X-3949-786-1 CABINET(UPPER) ASSY (9000) (9003)
UPPER X-3949-787-1 CABINET(UPPER) ASSY (9001)
UPPER X-3949-788-1 CABINET(UPPER) ASSY (9002)
INSU 3-965-376-01 INSULATOR
AEM ⚠ 8-820-067-01 DEVICE OPTICAL KSM-440AEM
PM 1-945-377-31 HARNESS (PM-86)
FFC A-6775-347-A CABLE BLOCK ASSY, FLAT
P 3-972-494-01 CUSHION P
PP ⚠ 1-959-132-13 HARNESS (PP-169)
Screw +BV 3X12
Screw +BV 3X12
SUB X-3949-789-1 FRAME ASSY, SUB
STOPPER 3-052-440-02 STOPPER, HARNESS
Screw +BV 3X12
Screw +BV 3X12
PU-23 A-6791-936-A MOUNTED CIRCUIT BOARD, PU-23 (9000)
PU-23 A-6791-939-A MOUNTED CIRCUIT BOARD, PU-23 (9001)
PU-23 A-6791-937-A MOUNTED CIRCUIT BOARD, PU-23 (9002)
PU-23 A-6791-938-A MOUNTED CIRCUIT BOARD, PU-23 (9003)
PSB ⚠ 1-468-366-11 POWER BLOCK (9000)
PSB ⚠ 1-468-365-11 POWER BLOCK (9001)
PSB ⚠ 1-468-303-13 POWER BLOCK (9002)
PSB ⚠ 1-468-243-11 POWER BLOCK (9003)
Screw +BV 3X12
L-SHIELD 3-056-229-01 SHIELD (LOWER)
Screw +BV 3X12
LOWER 3-056-223-01 CABINET (LOWER)
TERMINAL 1-694-473-12 TERMINAL BOARD (FRONT)
S-FRONT 3-052-152-02 SHIELD (FRONT)
Screw +BV 3X14
Screw +BV 3X14

CAUTION : for SCPH9001

CAUTION SERIAL No. LABEL (3- 969- 533- 11) must be putted on the top of TERMINAL BOARD according to the standard of UL1492.

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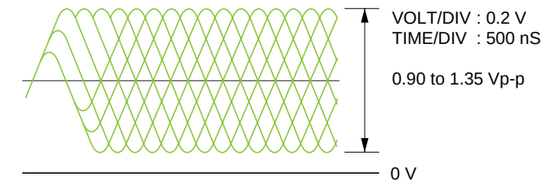
SECTION 3
ADJUSTMENT

3-1. Test Specification

RF Level 0.90 to 1.35 Vp-p (Test point : Between CL704 and CL710)

• RF signal waveform (Eye pattern)



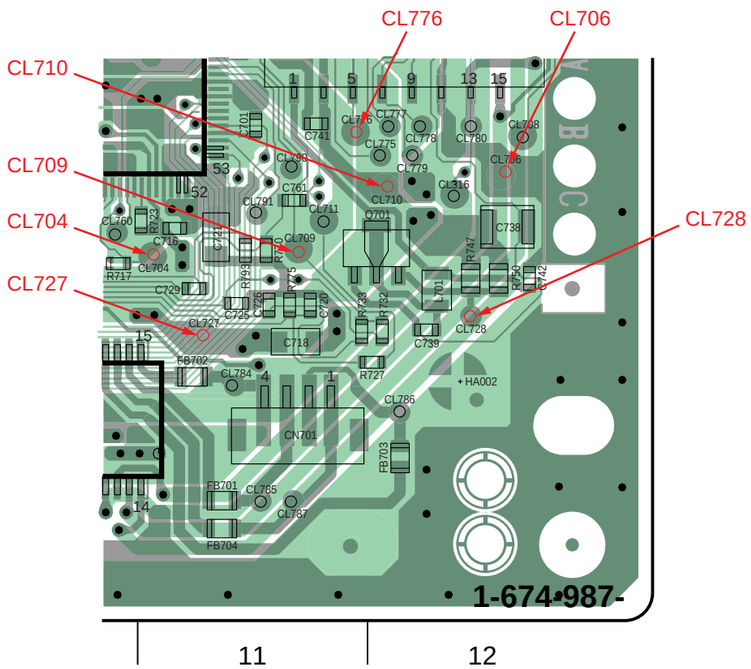
Use SCD-2700 DISC when measured RF level.
Use an oscilloscope with input impedance over 10 M Ω

RF Jitter Less 9.0 nS (Measuring with KSM- 6135S JITTER METER.)
Less 27.0 nS (Measuring with KSM- 6235S JITTER METER.)
PP Level 1.1 ±0.6 Vp-p (Test point : Between CL776 and CL710)
Use LPF (fc = 10 kHz)
Tracking Level 1.3 ±0.6 Vp-p (Test point : Between CL709 and CL710)

Caution Vc Line (CL710) do not wire to other lines together.

Caution. Vc Line (CL710) do not make common use with GND line.

Test Point for PU-23 Board.



SECTION 4
NOTICE

Circuit Notes :

: B+ Line.

Voltages are measured with a Digital Multimeter. (Input impedance over 10 MΩ.)
Waveforms easured with an Oscilloscope DC coupled.

Semiconductors.
In each case. u : µ, for example ; uA : µA, uPA : µPA, uPB : µPA, uPC : µPA.

Unit Descriptions :

Capacitors.
Unit of Capacitor is µF and pF, for example ; uF : µF, pF : µµF.

Resisters.
Unit of Resistor is Ω.

Inductance.
Unit of Inductance is µH and mH

Parts List Notes:

Due to standardization, Parts may be different from the parts described in the diagrams or used on the Set.

Attention :

Dielectric voltage withstand test and Insuiation resistance test.
After repair complete. Dielectric voltage withstand test and Insulation resistance test to be conducted according to the regulation of IEC-65 EN60065 or UL1492 or 電気用品取締法.

About replacement of Optical Device.
Before exchanging the Optical Device, Check the RF level, Jitter, Eye pattern, Focus gain and Tracking error. When Optical Device is meet the specification, Playback the PS1 testing disc “QA-DISC” or “AGING DISC” for checking the double speed and sled mechanism ability.

Optical Device should have to no exchange when spacification and ability are satisfied.

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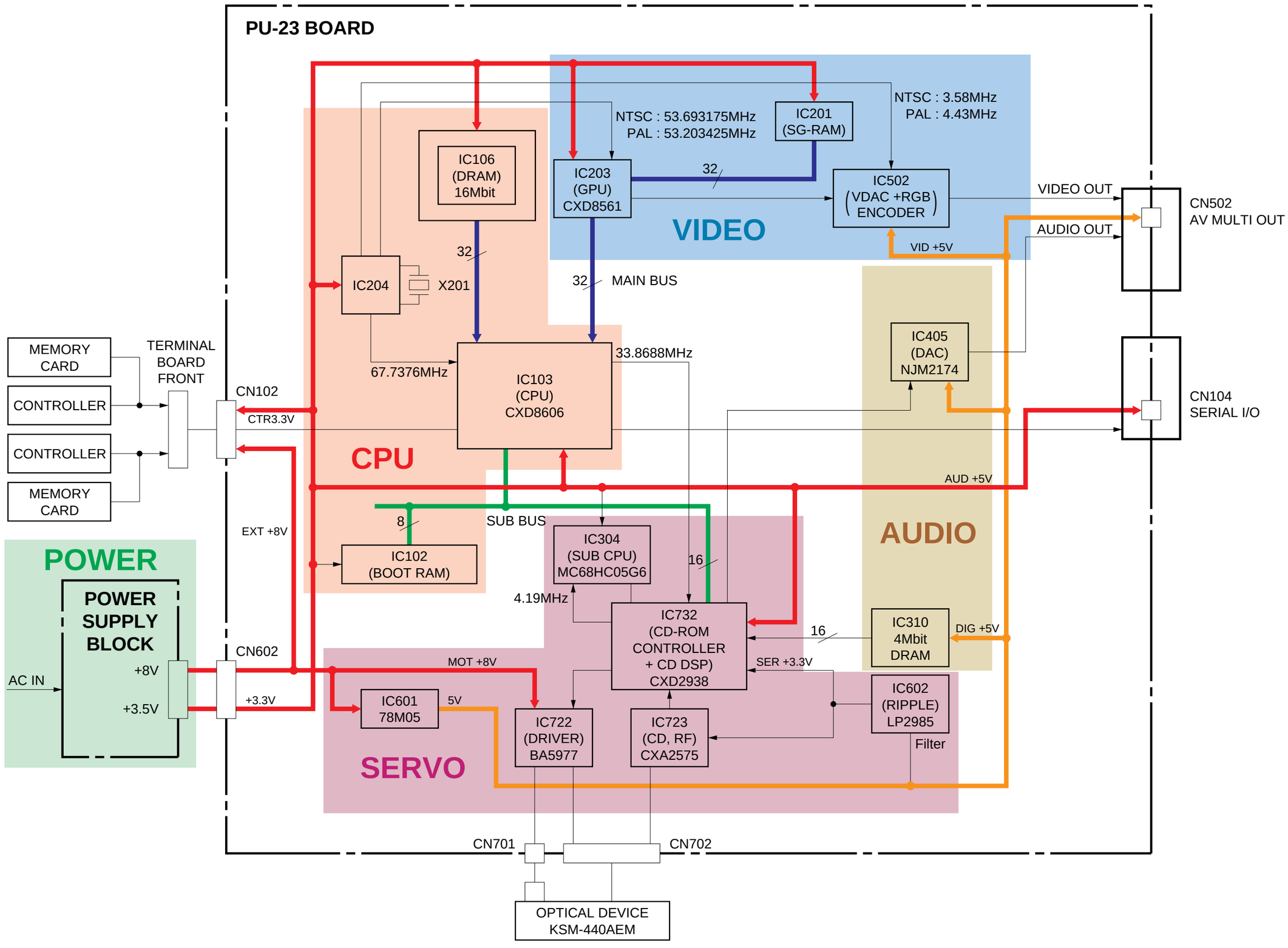
SECTION 5
BLOCK DIAGRAMS



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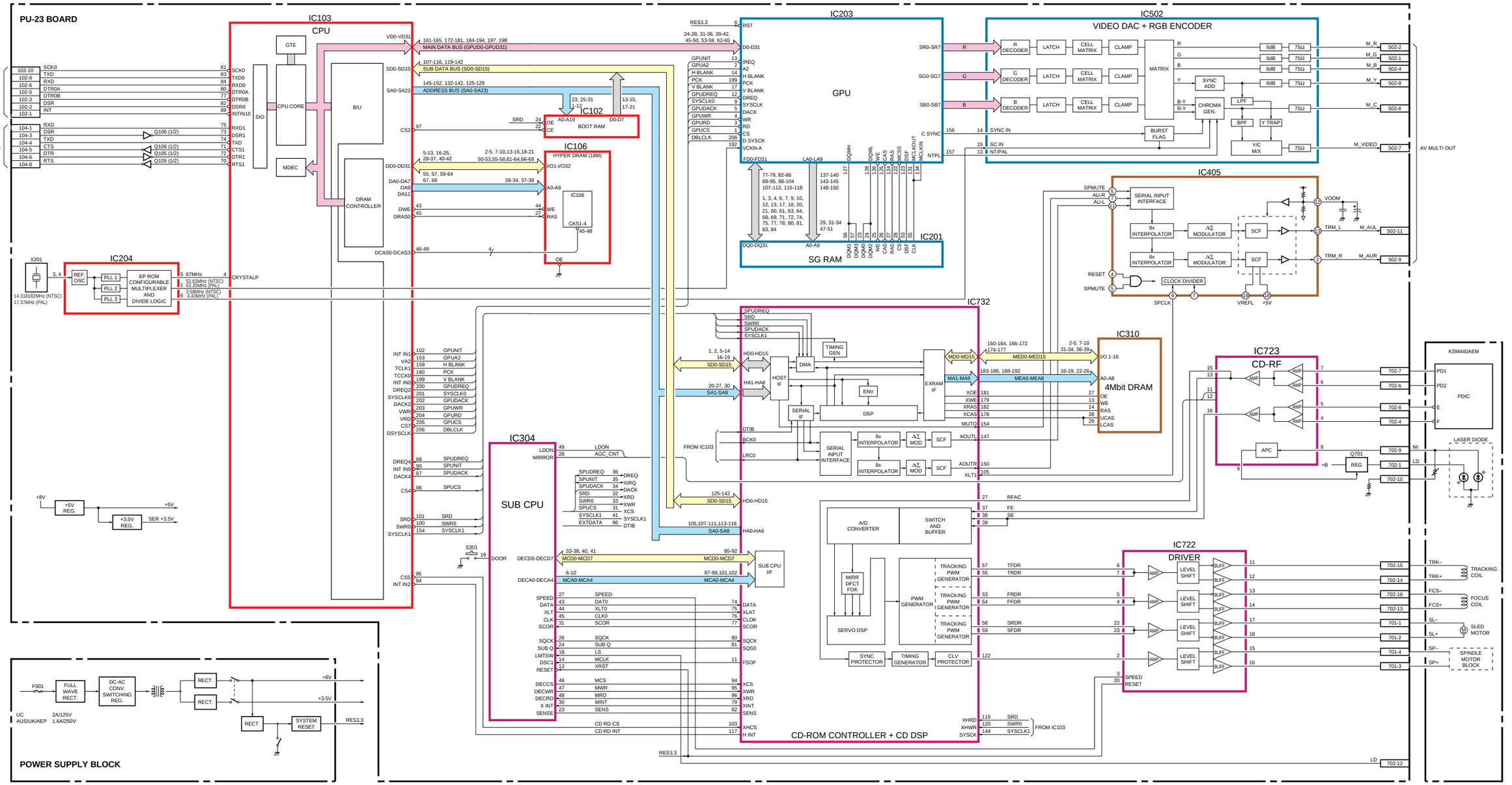

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SECTION 6
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.

Note on Printed Wiring Boards :
- Through hole is omitted.
- ▭ : Pattern on the side which is seen.

Note on Schematic Diagram :
- Use caution when replacing chip parts.
  New parts must be attached after removal of chip.
  Be careful not to heat the minus side of tantalum capacitor, because it is damaged by the heat.
- All capacitors are in μF unless otherwise noted. pF : μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W (Chip resisters : 1/10w) unless otherwise specified.
- Chip resistors are 1/8 W or 1/10 W unless otherwise noted.
  kΩ : 1000Ω, MΩ : 1000 kΩ.

Note : The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note :** Les composants identifies par une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le nubero specifie.

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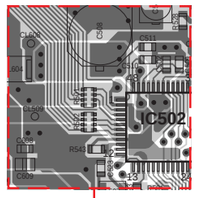
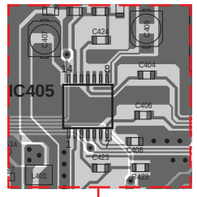
PU-23 BOARD (-11/-21/-31/-41/-51)



Suffix of -51



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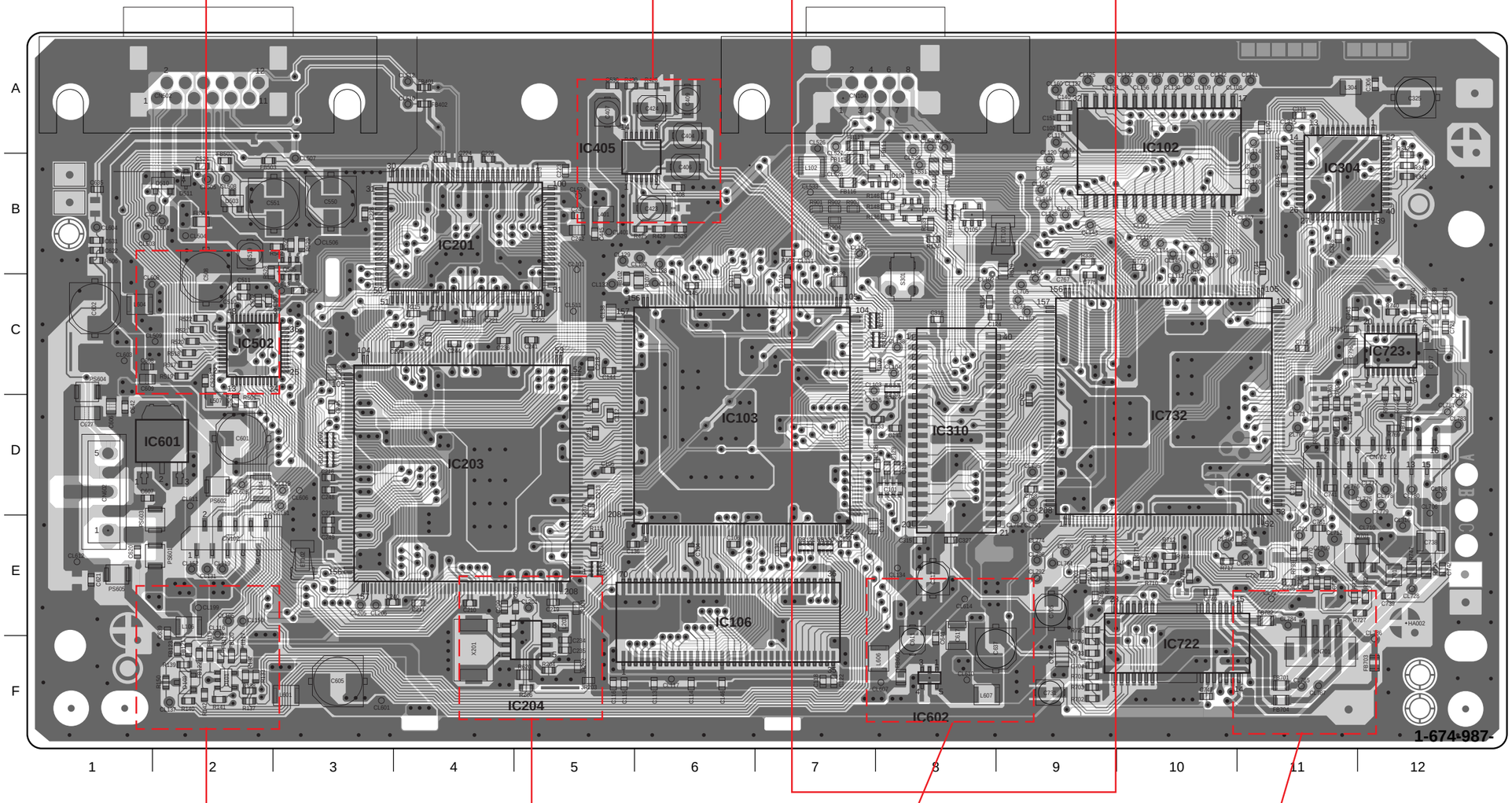
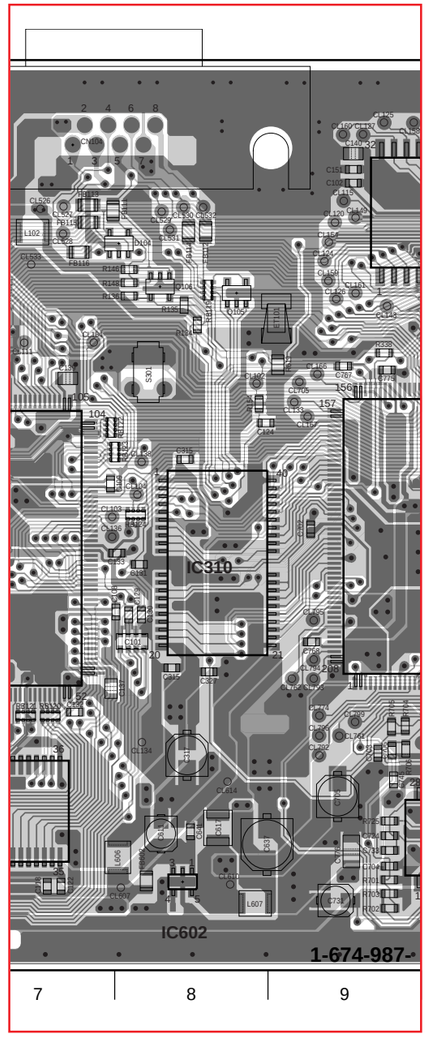
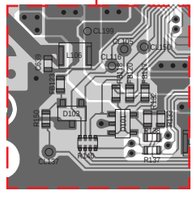


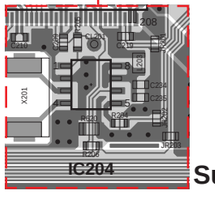


11
21
31
41

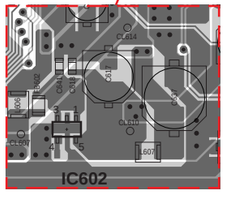
Note : PU-23 board number suffix of -41 is described partially.



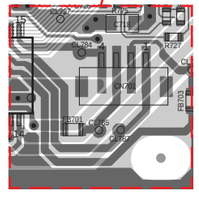
Suffix of -51



Suffix of -51



Suffix of -51



Suffix of -51

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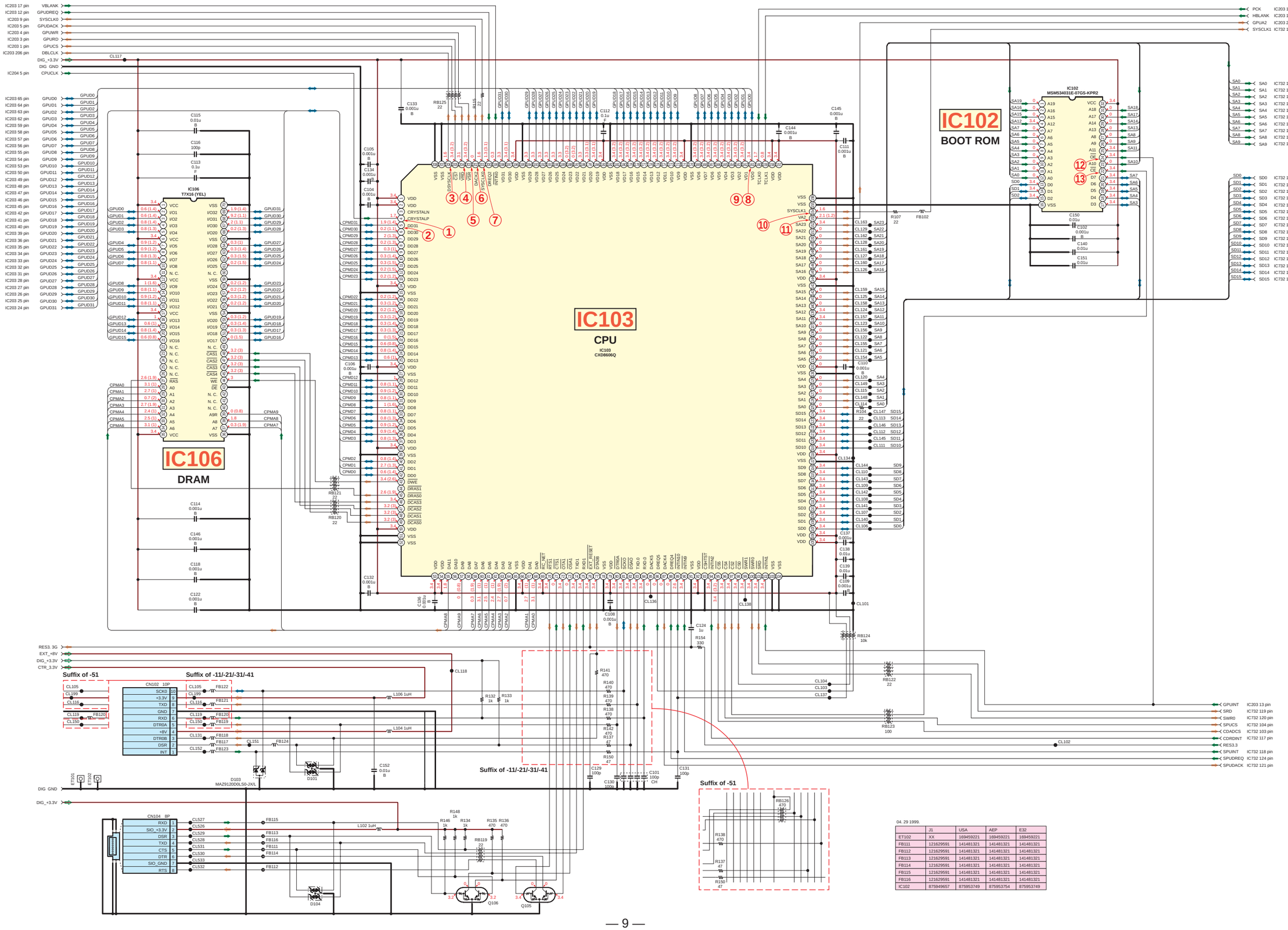
PU-23 (1/4)



04. 29 1999.

	J1	USA	AEP	E32
ET102	XX	169459221	169459221	169459221
FB111	121629591	141481321	141481321	141481321
FB112	121629591	141481321	141481321	141481321
FB113	121629591	141481321	141481321	141481321
FB114	121629591	141481321	141481321	141481321
FB115	121629591	141481321	141481321	141481321
FB116	121629591	141481321	141481321	141481321
IC102	875949657	875953749	875953754	875953749

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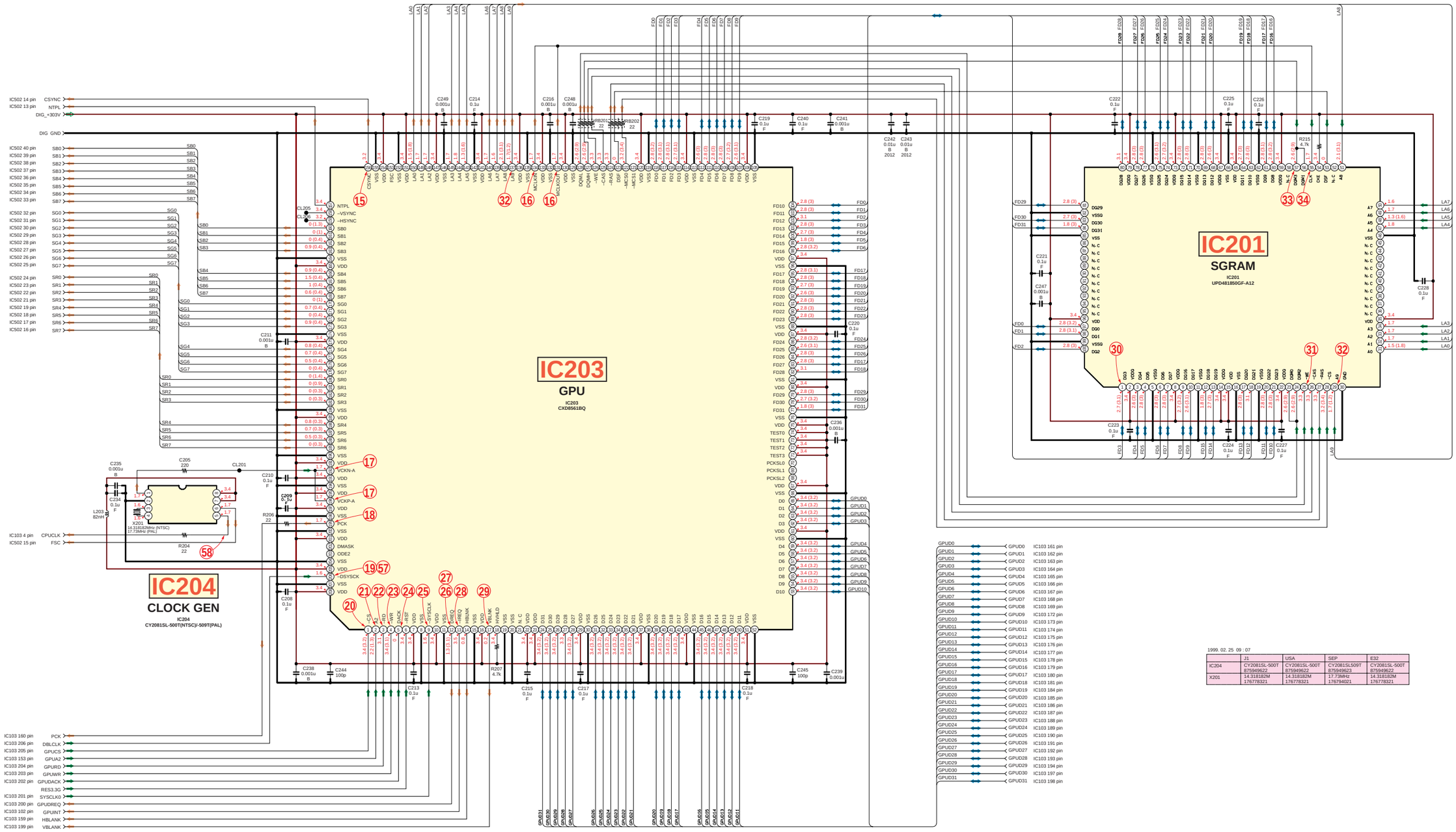
PU-23 (2/4)



1999. 02. 25 09 : 07

	J1	USA	SEP	E32
IC204	CY2081SL-500T 875949622	CY2081SL-500T 875949622	CY2081SL509T 875949523	CY2081SL-500T 875949622
X201	14.318182M 176778321	14.318182M 176778321	17.73MHz 176794021	14.318182M 176778321

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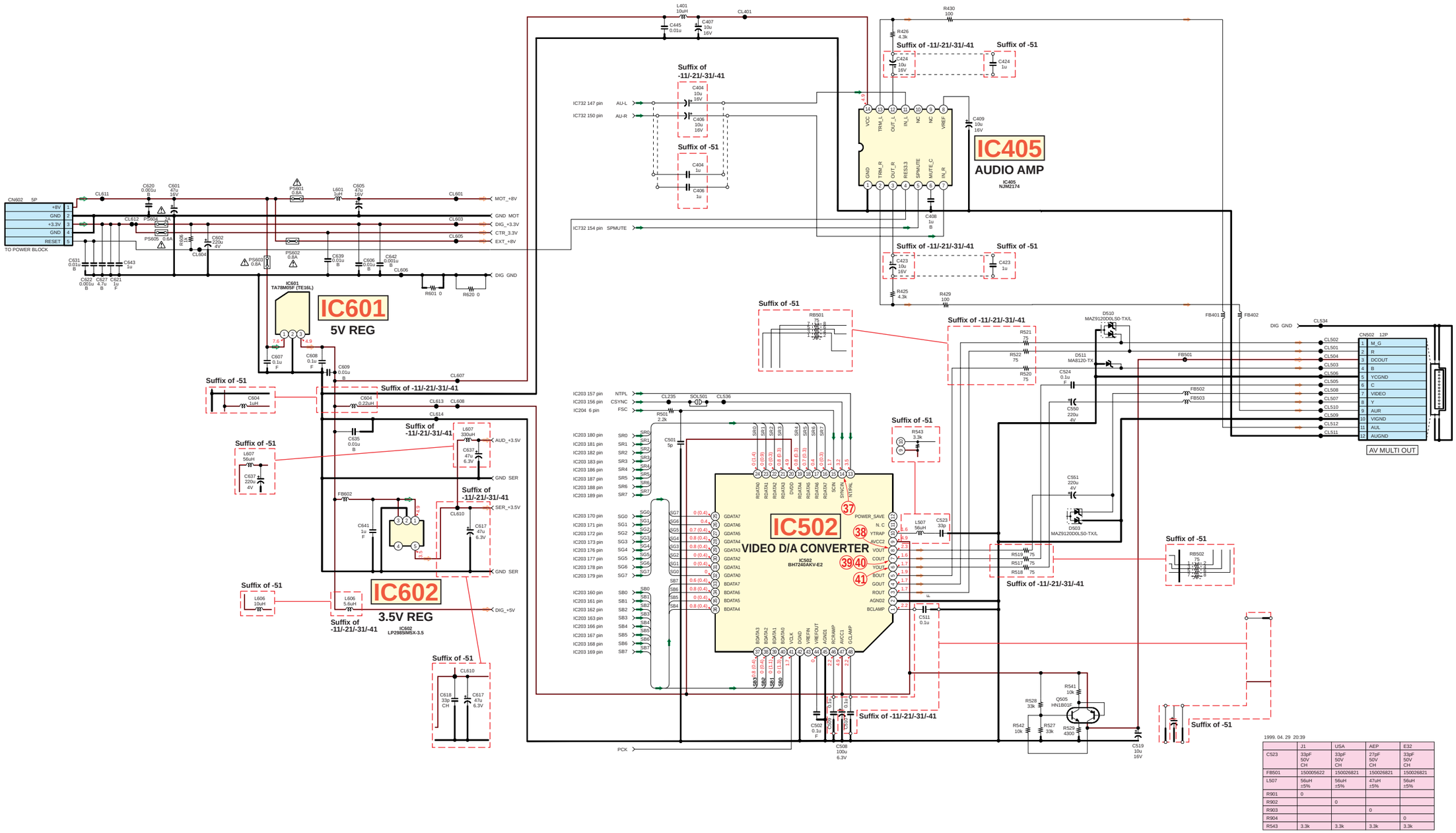
PU-23 (3/4)



	J1	USA	AEP	E32
C523	33pF 50V CH	33pF 50V CH	27pF 50V CH	33pF 50V CH
FB501	150005622	150026821	150026821	150026821
L507	56uH ±5%	56uH ±5%	47uH ±5%	56uH ±5%
R901	0			
R902		0		
R903			0	
R904				0
R543	3.3k	3.3k	3.3k	3.3k

1999. 04. 29 20:39

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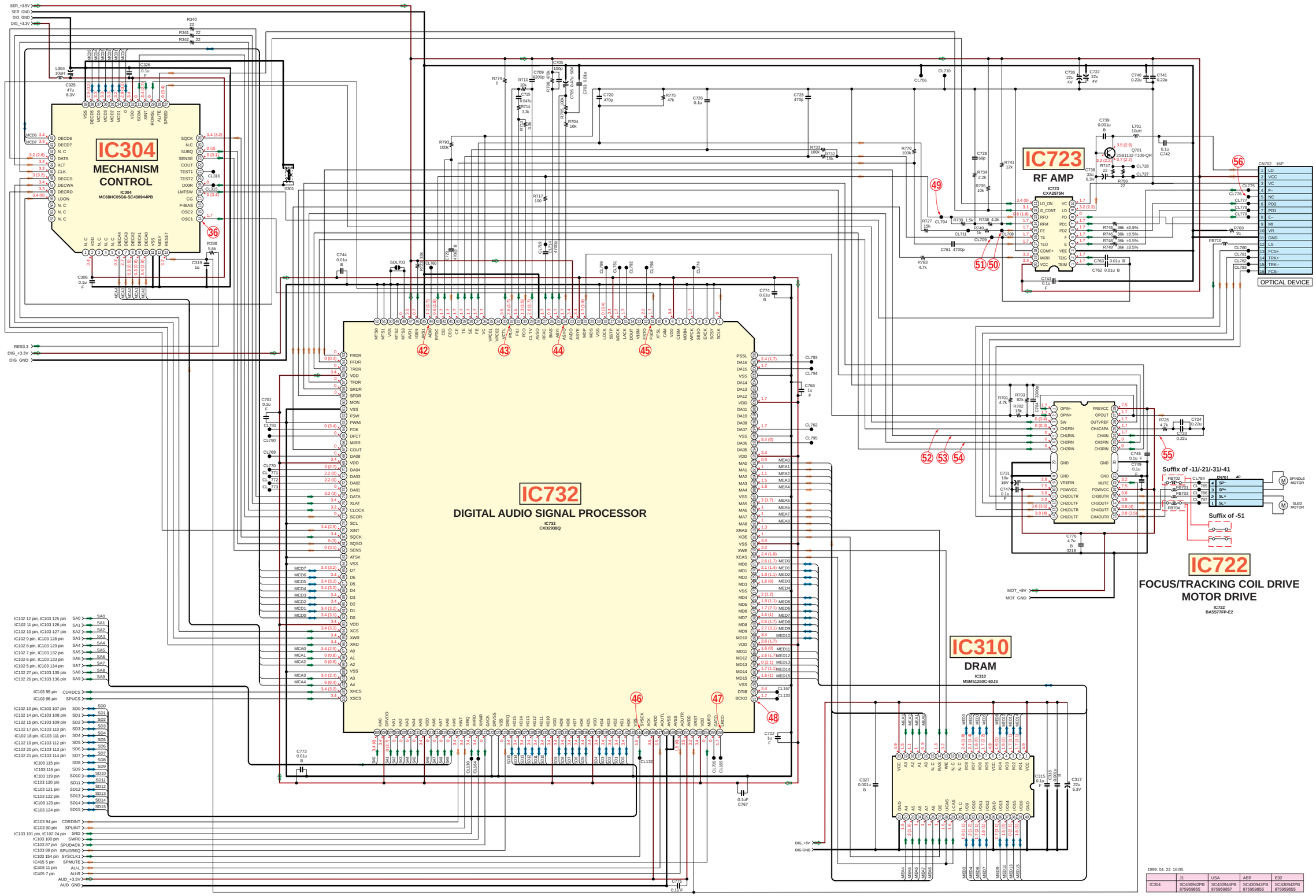
PU-23 (4/4)



1999. 04. 22 16:05

	J1	USA	AEP	E32
IC304	SC430942PB 875959855	SC430944PB 875959857	SC430943PB 875959856	SC430942PB 875959855

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PU-23 BOARD (1/4)

1 — 4 Vp-p, 10ns/div — IC103 (4)

8 — 3.8 Vp-p, 5ms/div — IC103 (161) MENU

2 — 3.8 Vp-p, 10ms/div — IC103 (5) MENU

9 — 3.8 Vp-p, 5ms/div — IC103 (161) PLAY

3 — 4 Vp-p, 5ns/div, NTSC:66.67MHz PAL :64.5MHz — IC103 (206)

10 — 4 Vp-p, 10ns/div, 33.3MHz — IC103 (154)

4 — 3.8 Vp-p, 100ns/div — IC103 (204)

11 — 4.2 Vp-p, 50ns/div — IC103 (153)

5 — 3.8Vp-p, 500ns/div — IC103 (203)

12 — 3.8 Vp-p, 2s/div — IC102 (24) PLAY

6 — 3.8 Vp-p, 200ns/div — IC103 (202)

13 — 3.8 Vp-p, 2s/div — IC102 (22) PLAY

7 — 4 Vp-p, 10ns/div, 33.3MHz — IC103 (201)

PU-23 BOARD (2/4)

15 — 3.8 Vp-p, 20µs/div — IC203 (156)

22 — 3.8 Vp-p, 200ns/div — IC203 (3)

29 — 4 Vp-p, 10µs/div — IC203 (17)

16 — 4.0 Vp-p, 10ns S/div, 68.9MHz — IC203 (134)

23 — 3.8 Vp-p, 10ms/div — IC203 (4)

30 — 4 Vp-p, 10ms/div — IC201 (1)

17 — 2.5 Vp-p, 10ns/div, NTSC:53.69MHz PAL :53.2MHz — IC203 (192)

24 — 3.8 Vp-p, 0.1µs/div — IC203 (5)

31 — 4.0 Vp-p, 2ms/div — IC201 (25) PLAY

18 — 3.8 Vp-p, 50ns/div — IC203 (199)

25 — 4 Vp-p, 10nS/div, 33.3MHz — IC203 (9)

32 — 4 Vp-p, 20µs/div — IC201 (29) /IC203 (137)

19 — 4 Vp-p, 5ns/div, NTSC:66.67MHz PAL :64.5MHz — IC203 (206)

26 — 3.8 Vp-p, 10ms/div — IC203 (12) PLAY

33 — 4 Vp-p, 10µs/div — IC201 (57)

20 — 3.5 Vp-p, 5ms/div — IC203 (1)

27 — 3.8 Vp-p, 10ms/div — IC203 (12) MENU

34 — 4 Vp-p, 5nS/div, 68.9MHz — IC201 (55)

21 — 3.8 Vp-p, 500ns/div — IC203 (2)

28 — 3.8 Vp-p, 20us/div — IC203 (14)

57 — 4 Vp-p, 5ns/div, NTSC:66.67MHz PAL :64.5MHz — IC203 (206)

58 — 4 Vp-p, 5nS/div, 67.73MHz — IC204 (5)

PU-23 BOARD (3/4)

37 — 3.8 Vp-p, 20µS/div — IC502 (14)

38 — 1.8 Vp-p, 10µS/div — IC502 (8) MENU

39 — 0.6 Vp-p, 10µS/div — IC502 (7) MENU

40 — 2.0 Vp-p, 10µS/div — IC502 (7) PLAY

41 — 2.0 Vp-p, 10µS/div — IC502 (6) MENU

PU-23 BOARD (4/4)

36 — 3.8 Vp-p, 100nS/div — IC304 (14)

49 — 0.9-1.3 Vp-p, 1 µs/div — IC723 (13)/CL704 PLAY

42 — 1 Vp-p, 1.8V, 100nS/div — IC732 (44) MENU

50 — 0.2 Vp-p — IC723 (15) PLAY

43 — 3.8 Vp-p, 10µS/div — IC732 (32)

51 — 0.2 Vp-p — IC723 (16) PLAY

44 — 3.8 Vp-p, 100µs/div — IC732 (24) PLAY

52 — 3.8 Vp-p, 2µS/div — IC722 (4) PLAY

45 — 3.8 Vp-p, 100nS/div — IC732 (11)

53 — 3.8 Vp-p, 2µS/div — IC722 (5) PLAY

46 — 4.2 Vp-p, 10µS/div, 34MHz — IC732 (144)

54 — 3.8 Vp-p, 2µS/div — IC722 (6) PLAY

47 — 3.8 Vp-p, 10µs S/div — IC732 (156)

55 — 0.2 Vp-p — IC722 (24) PLAY

48 — 3.8 Vp-p, 100ns/div — IC732 (157)

56 — 0.6 Vp-p, 1µs/div — CN702 (5)/CL776 PLAY

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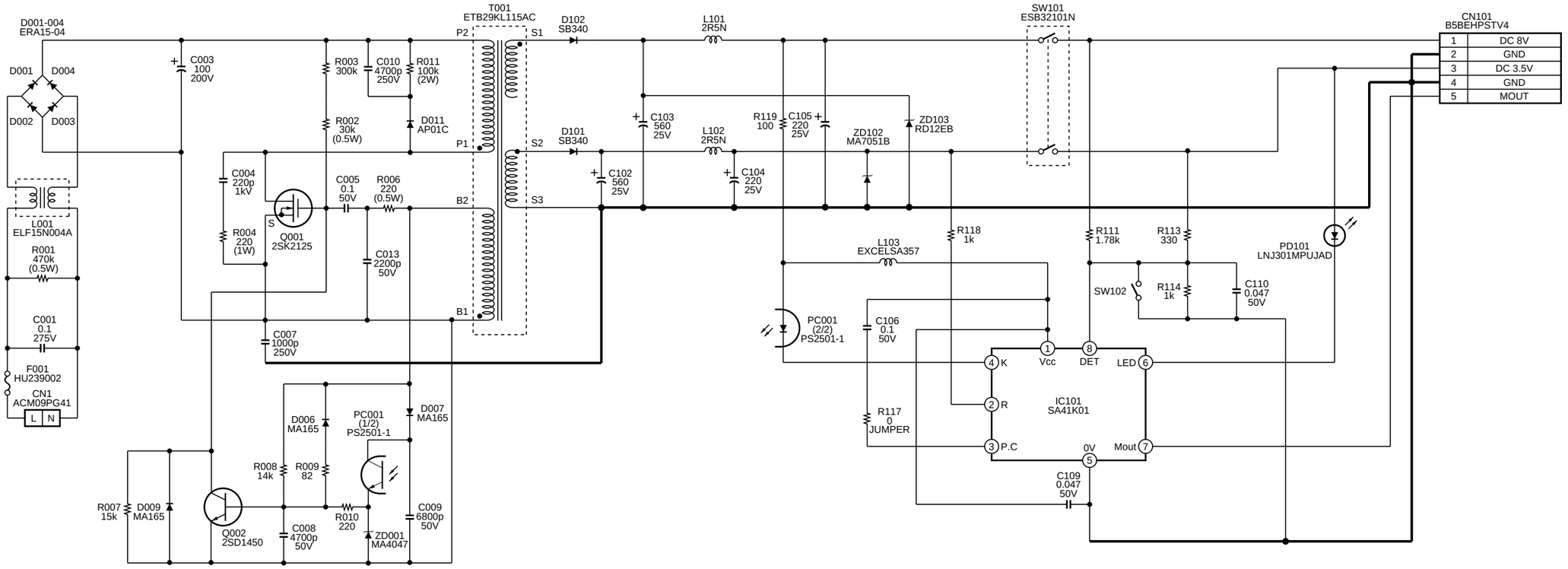
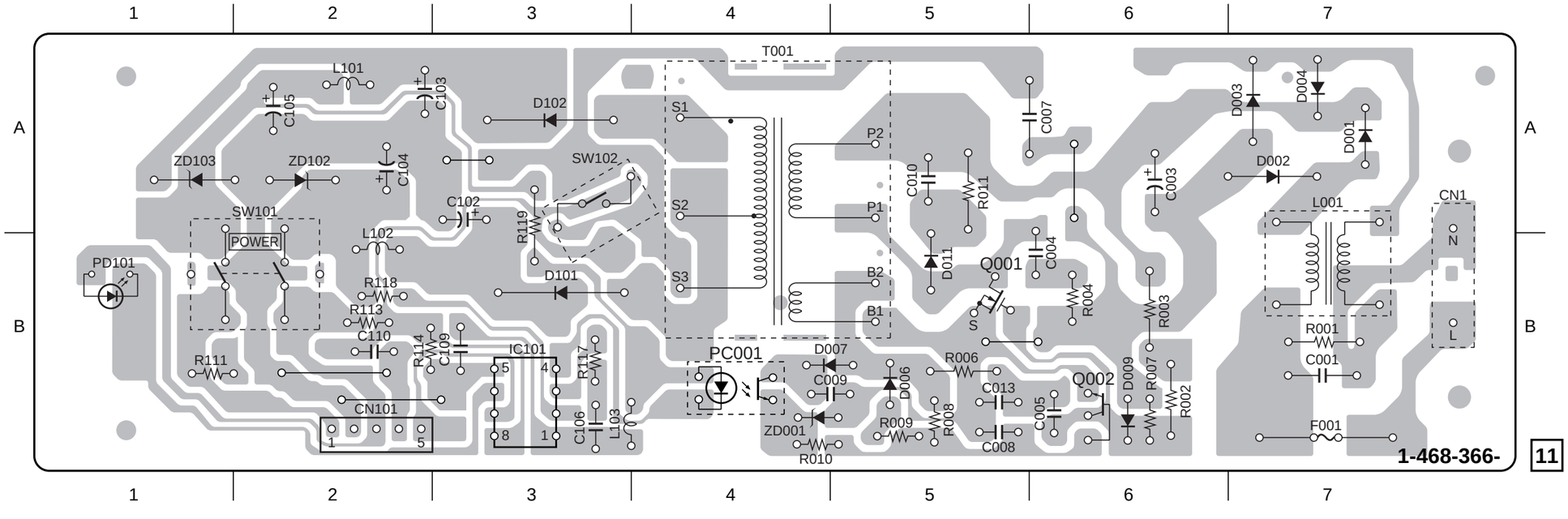
POWER BLOCK (1-468-366-11)





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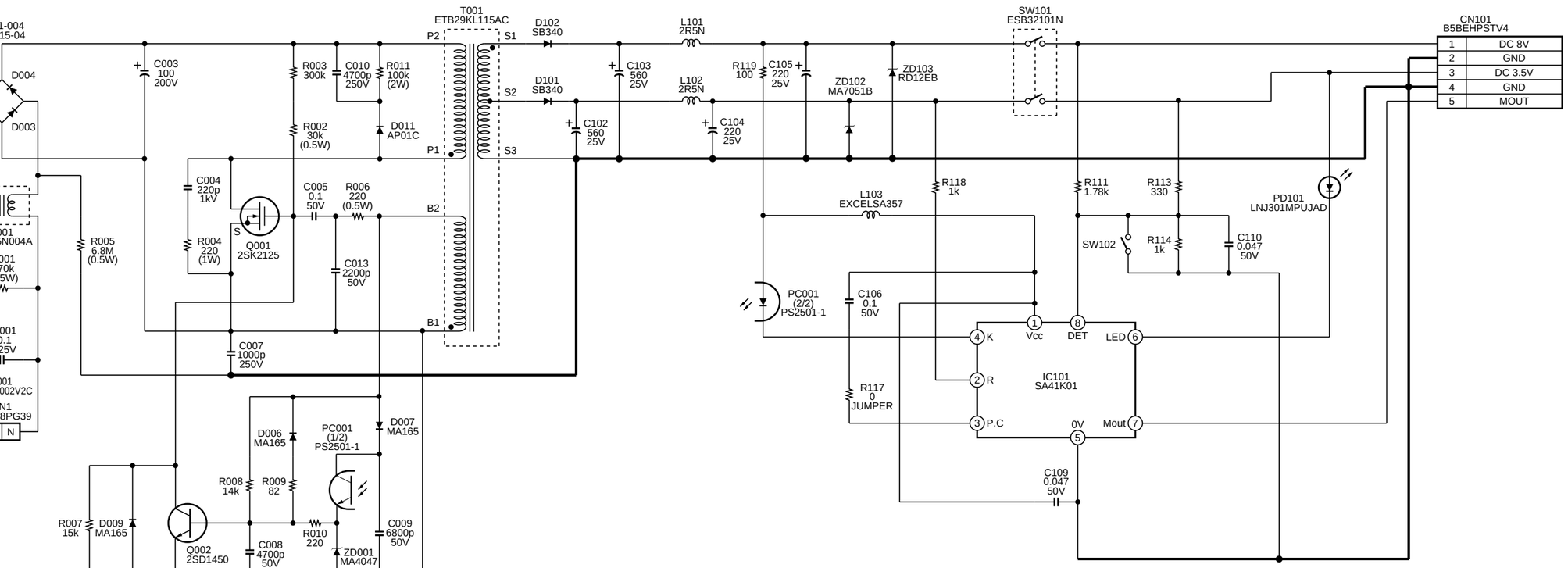
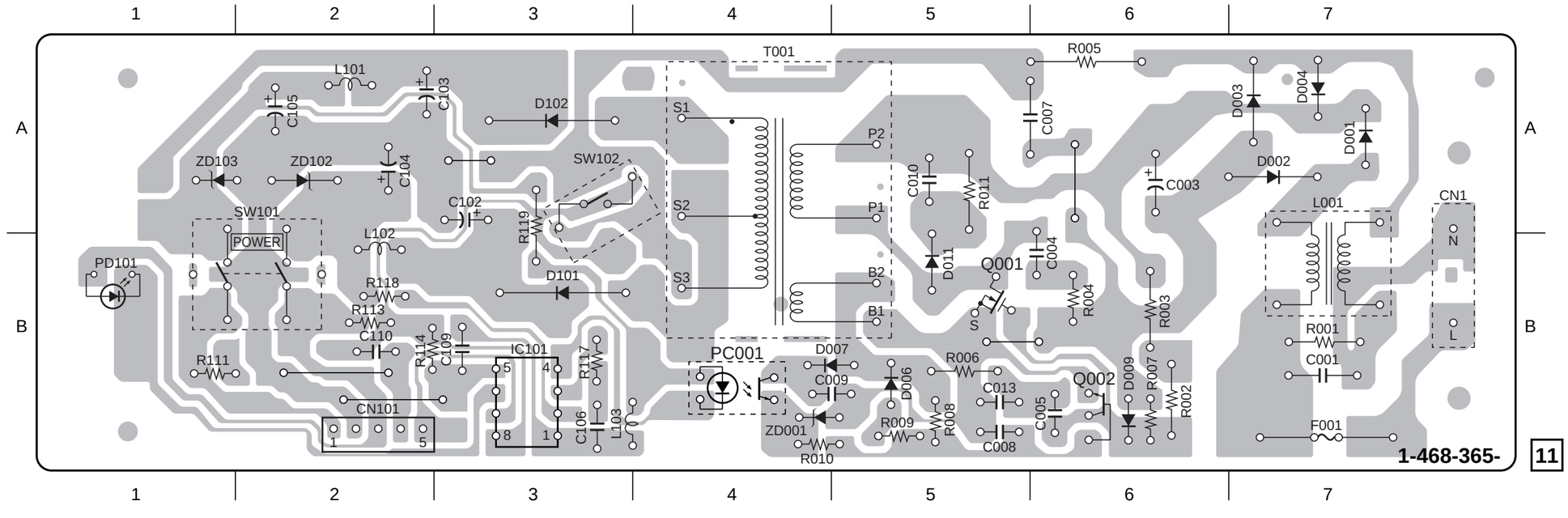
POWER BLOCK (1-468-365-11)





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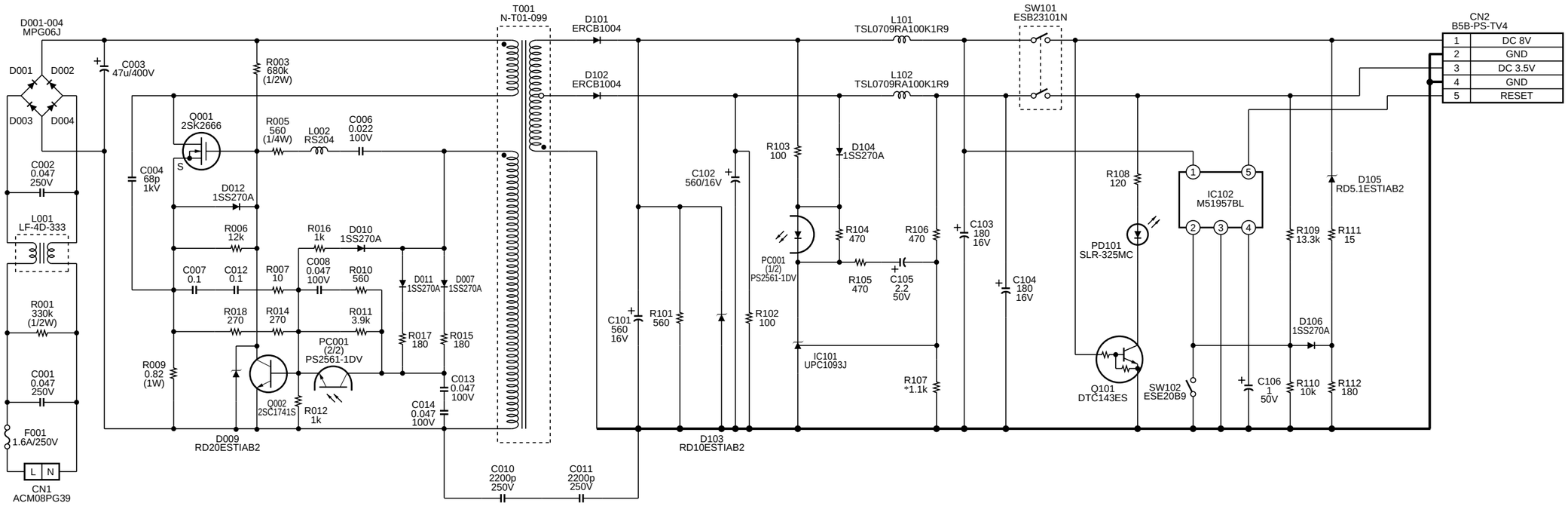
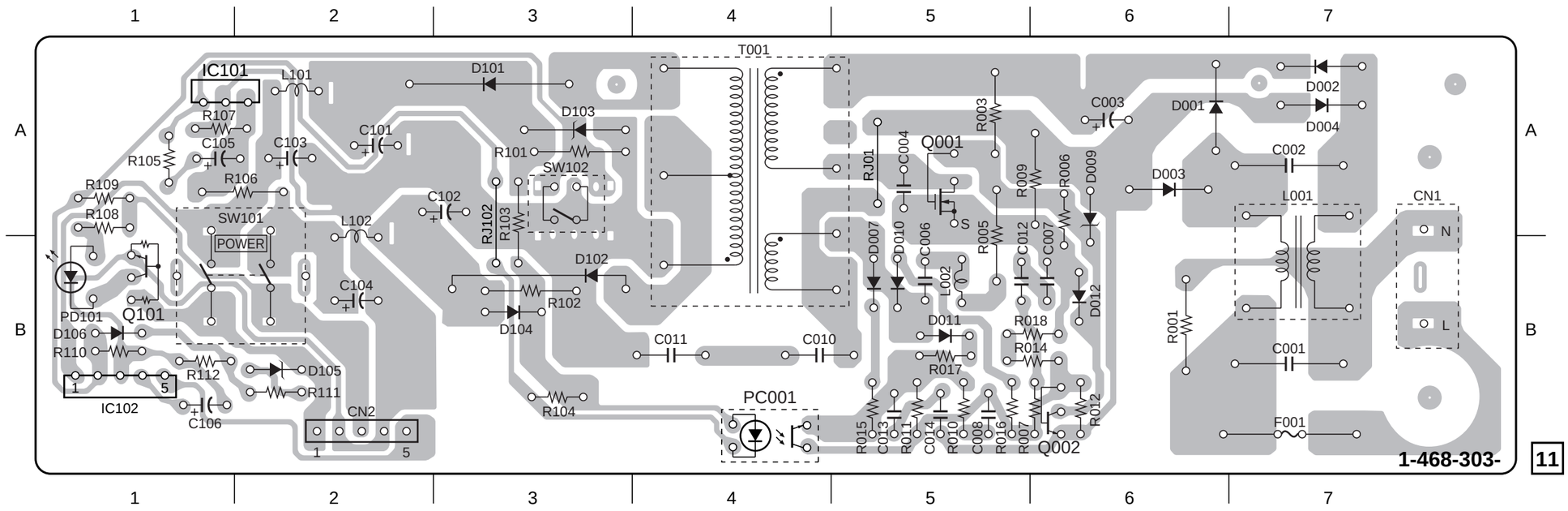
POWER BLOCK (1-468-303-11)





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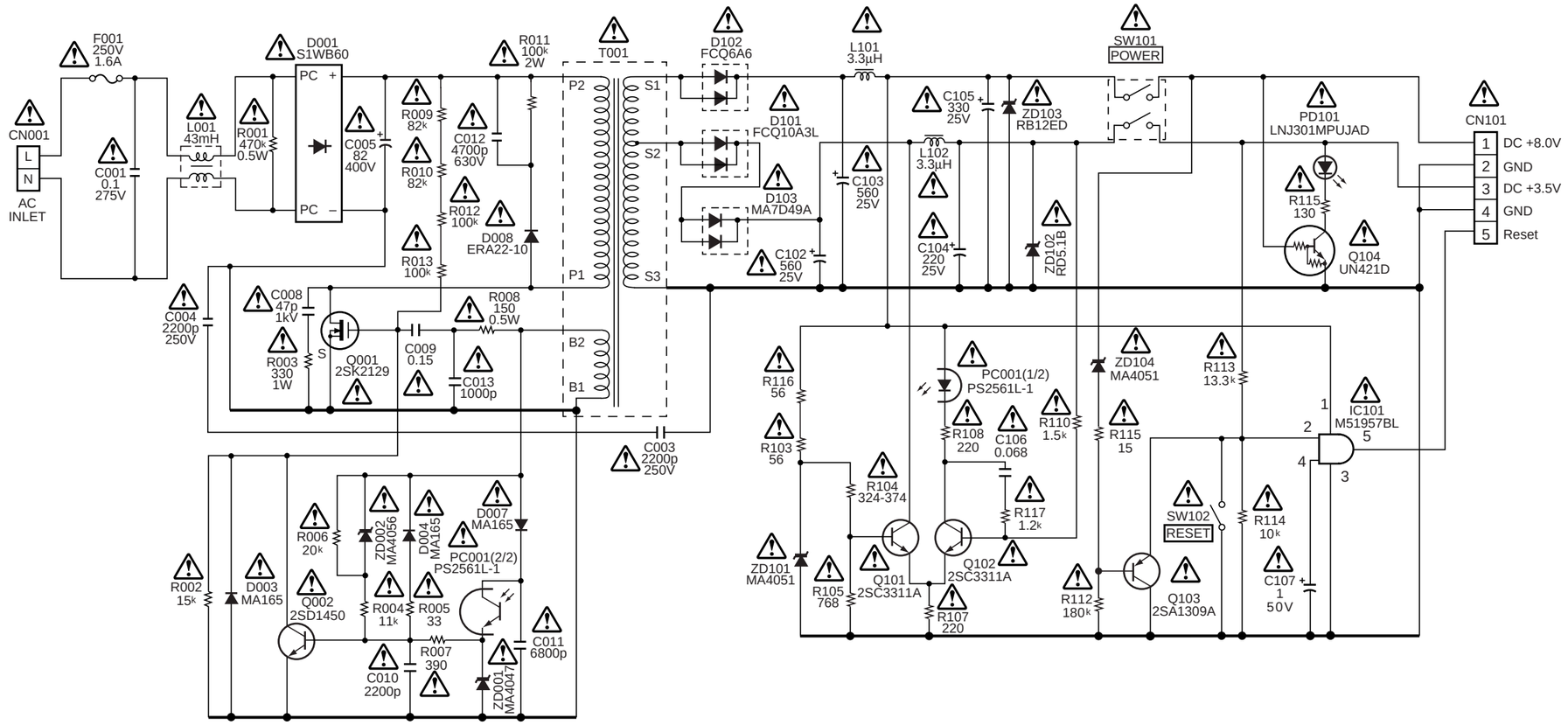
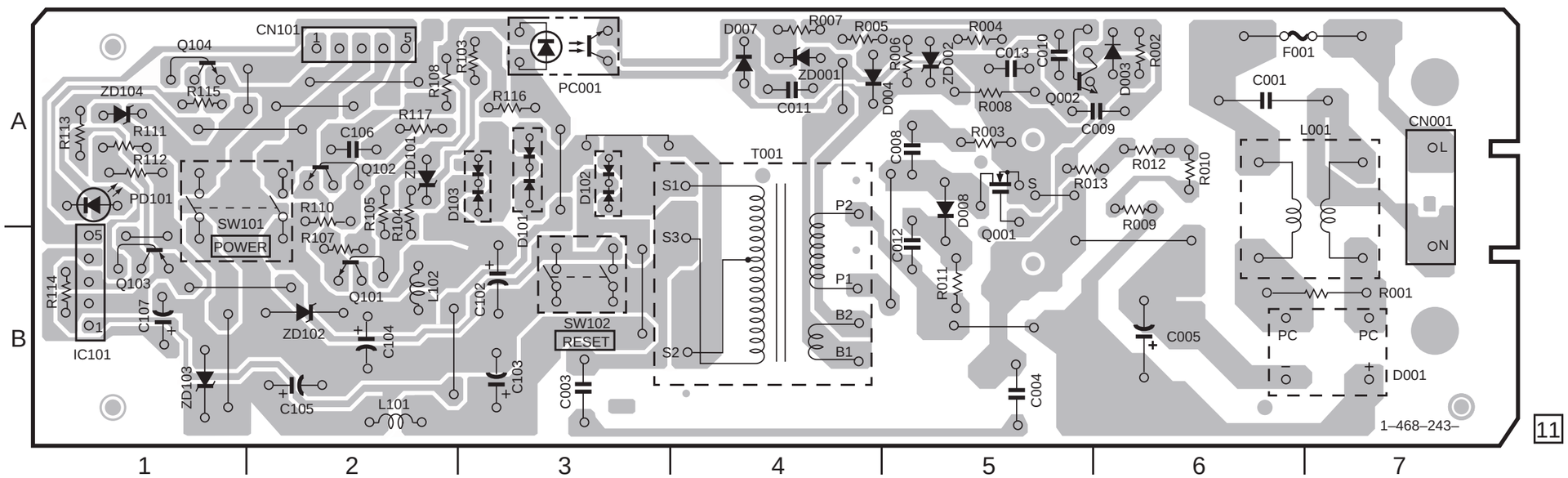
POWER BLOCK (1-468-243-11)





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SECTION 7
ELECTRICAL PARTS LIST

NOTE :
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  METAL : Metal-film resistor.
  F : nonflammable
  Unit is Ω.
- SEMICONDUCTORS
  In each case, u : µ, for example :
  uA . . : µA . . uPA . . : µPA . .
  uPB. . : µPB. . uPC . . : µPC . . uPD . . : µPD . .
- CAPACITORS
  uF : µF
- COILS
  uH : µH

When indicating parts by reference number, please include the board.

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

Parts classification

Parts are classified dy stock availabity in the SC section of the parts lists

S : Stocked	Normally stocked items.
O : Ordered	Not stocked but availible if requested.
U : Unsupply	Component not availible.

SC		Ref.	Part No.	Description	Remark
		CONSOLE ASSEMBLE PARTS LIST			
S	⚠	PSB	1-468-366-11	POWER BLOCK	(9000)
S	⚠	PSB	1-468-365-11	POWER BLOCK	(9001)
S	⚠	PSB	1-468-303-13	POWER BLOCK	(9002)
S	⚠	PSB	1-468-243-11	POWER BLOCK	(9003)
O		TERMINAL	1-694-473-12	TERMINAL BOARD (FRONT)	
O		PM	1-954-377-31	HARNESS (PM-86)	
O	⚠	PP	1-959-132-13	HARNESS (PP-169)	
O		S-FRONT	3-052-152-02	SHIELD, FRONT	
O		STOPPER	3-052-440-02	STOPPER, HARNESS	
O		LOWER	3-056-223-01	CABINET (LOWER) (9000/9002/9003)	
O		LOWER	3-056-223-11	CABINET (LOWER) (9001)	
O		SHIELD	3-052-471-01	PAPER SHIELD	
O		L-SHIELD	3-056-229-01	SHIELD (LOWER)	
S		INSU	3-965-376-01	INSULATOR	
O		LAVEL	3-969-533-11	LAVEL CAUTION SERIAL(NO.)	(9001)
S		S-COVER	3-973-812-01	COVER, PUSH SWITCH	
O		BV12	7-685-648-79	SCREW +BVTP 3X12 TYPE2	
O		BV14	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3	
S	⚠	AEM	8-820-067-01	DEVICE, OPTICAL KSM-440AEM	
O		FFC	A-6775-347-A	CABLE BLOCK ASSY, FLAT	
O		PU23	A-6791-936-A	MOUNTED CIRCUIT BOARD, PU-23	(9000)
O		PU23	A-6791-939-A	MOUNTED CIRCUIT BOARD, PU-23	(9001)
O		PU23	A-6791-937-A	MOUNTED CIRCUIT BOARD, PU-23	(9002)
O		PU23	A-6791-938-A	MOUNTED CIRCUIT BOARD, PU-23	(9003)
O		UPPER	X-3949-786-1	CABINET (UPPER) ASSY	(9000/9003)
O		UPPER	X-3949-787-1	CABINET (UPPER) ASSY	(9001)
O		UPPER	X-3949-788-1	CABINET (UPPER) ASSY	(9002)
O		SUB	X-3949-789-1	FRAME ASSY, SUB	

SC	Ref.	Part No.	Description	Remark
	PU-23 BOARD			
O	PU23	A-6791-936-A	MOUNTED CIRCUIT BOARD, PU-23	(9000)
O	PU23	A-6791-939-A	MOUNTED CIRCUIT BOARD, PU-23	(9001)
O	PU23	A-6791-937-A	MOUNTED CIRCUIT BOARD, PU-23	(9002)
O	PU23	A-6791-938-A	MOUNTED CIRCUIT BOARD, PU-23	(9003)
			**********	
			<CAPACITOR>	
O	C101	1-125-764-21	CAP, CHIP CERAMIC 100PF CH	
O	C102	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C104	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C105	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C106	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C108	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C109	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C110	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C111	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C112	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C113	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C114	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C115	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
O	C116	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
O	C118	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C122	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C124	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
O	C129	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
O	C130	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
O	C131	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
O	C132	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C133	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C134	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C136	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C137	1-163-275-11	CAP, CHIP CERAMIC 1000PF CH (2012)	
O	C138	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
O	C139	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
O	C140	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
O	C144	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C145	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C146	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C150	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
O	C151	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
O	C152	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
O	C208	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C209	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C210	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C211	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
O	C213	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
O	C214	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

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SC	Ref.	Part No.	Description	Remark
0	C215	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C216	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C217	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C218	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C219	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C220	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C221	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C222	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C223	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C224	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C225	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C226	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C227	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C228	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C234	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C235	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C236	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C238	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C239	1-163-275-11	CAP, CHIP CERAMIC 1000PF CH (2012)	
0	C240	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C241	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C242	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
0	C243	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
0	C244	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
0	C245	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
0	C247	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C248	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C249	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C306	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C315	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C316	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C317	1-124-778-11	CAP, ELECT 22MF	
0	C319	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
0	C325	1-126-205-11	CAP, ELECT 47MF	
0	C326	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C327	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C404	1-128-004-11	CAP, ELECT (CHIP) 10MF	(for PU23-11/-21/-31/-41)
0	C404	1-125-837-11	CAP, CHIP CERAMIC 1MF B	(for PU23-51)
0	C406	1-128-004-11	CAP, ELECT (CHIP) 10MF	(for PU23-11/-21/-31/-41)
0	C406	1-125-837-11	CAP, CHIP CERAMIC 1MF B	(for PU23-51)
0	C407	1-128-004-11	CAP, ELECT (CHIP) 10MF	
0	C408	1-125-837-11	CAP, CHIP CERAMIC 1000000 B (1608)	
0	C409	1-128-004-11	CAP, ELECT (CHIP) 10MF	
0	C423	1-128-007-11	CAP, ELECT (CHIP) 2.2MF	(for PU23-11/-21/-31/-41)
0	C423	1-125-837-11	CAP, CHIP CERAMIC 1MF B	(for PU23-51)
0	C424	1-128-007-11	CAP, ELECT (CHIP) 2.2MF	(for PU23-11/-21/-31/-41)
0	C424	1-125-837-11	CAP, CHIP CERAMIC 1MF B	(for PU23-51)
0	C445	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C501	1-162-110-11	CAP, CHIP CERAMIC 5.0PF CH (1608)	
0	C502	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	

SC	Ref.	Part No.	Description	Remark
0	C508	1-126-206-11	CAP, ELECT 100MF	
0	C509	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	(for PU23-11/-21/-31/-41)
0	C510	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	(for PU23-11/-21/-31/-41)
0	C511	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	(for PU23-11/-21/-31/-41)
0	C519	1-128-004-11	CAP, ELECT (CHIP) 10MF	
0	C523	1-162-920-11	CAP, CHIP CERAMIC 27PF CH (1608)	(9002A)
0	C523	1-162-921-11	CAP, CHIP CERAMIC 33PF CH (1608)	(9000/9001/9003)
0	C523	1-162-921-11	CAP, CHIP CERAMIC 33PF CH (1608)	(9002A)
0	C523	1-162-921-11	CAP, CHIP CERAMIC 33PF CH (1608)	(9000/9001/9003)
0	C524	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C529	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
0	C530	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
0	C550	1-126-210-11	CAP, ELECT 220MF	
0	C551	1-126-210-11	CAP, ELECT 220MF	
0	C601	1-126-204-11	CAP, ELECT 47MF	
0	C602	1-126-210-11	CAP, ELECT 220MF	
0	C605	1-126-204-11	CAP, ELECT 47MF	
0	C606	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
0	C607	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C608	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C609	1-163-021-11	CAP, CHIP CERAMIC 10000PF B (2012)	
0	C611	1-128-004-11	CAP, ELECT (CHIP) 10MF	
0	C617	1-110-569-11	CAP, CHIP TANTALUM ELECT 47MF	(for PU23-11/-21/-31/-41)
0	C617	1-216-205-11	CAP, ELECT (CHIP) 47MF	(for PU23-51)
0	C618	1-162-921-11	CAP, CERAMIC 33PF CH (1608)	(for PU23-51)
0	C620	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C621	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
0	C622	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C627	1-115-566-11	CAP, CHIP CERAMIC 4.7MF B	
0	C631	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C635	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C637	1-126-205-11	CAP, ELECT 47MF	(for PU23-11/-21/-31/-41)
0	C637	1-126-210-11	CAP, ELECT 220MF	(for PU23-51)
0	C639	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C641	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
0	C642	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C701	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C702	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
0	C703	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C704	1-162-967-11	CAP, CHIP CERAMIC 3300PF B (1608)	
0	C705	1-126-191-11	CAP, ELECT 0.47MF	
0	C706	1-162-927-11	CAP, CHIP CERAMIC 100PF CH (1608)	
0	C709	1-164-174-11	CAP, CHIP CERAMIC 8200PF B (1608)	
0	C714	1-162-968-11	CAP, CHIP CERAMIC 4700PF B (1608)	
0	C715	1-165-176-11	CAP, CHIP CERAMIC 47000PF B (1608)	
0	C720	1-162-962-11	CAP, CHIP CERAMIC 470PF B (1608)	
0	C724	1-115-467-11	CAP, CHIP CERAMIC0.22MF B (1608)	
0	C725	1-162-962-11	CAP, CHIP CERAMIC 470PF B (1608)	
0	C726	1-107-826-11	CAP, CHIP CERAMIC 100000PF B	
0	C728	1-162-925-11	CAP, CHIP CERAMIC 68PF CH (1608)	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

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SC	Ref.	Part No.	Description	Remark
0	C733	1-115-467-11	CAP, CHIP CERAMIC0.22MF B (1608)	
0	C736	1-104-847-11	CAP, CHIP TANTALUM ELECT 22MF	
0	C737	1-104-847-11	CAP, CHIP TANTALUM ELECT 22MF	
0	C738	1-104-752-11	CAP, CHIP TANTALUM ELECT 33MF	
0	C739	1-162-964-11	CAP, CHIP CERAMIC 1000PF B (1608)	
0	C740	1-115-467-11	CAP, CHIP CERAMIC0.22MF B (1608)	
0	C741	1-115-467-11	CAP, CHIP CERAMIC0.22MF B (1608)	
0	C742	1-107-826-11	CAP, CHIP CERAMIC 100000PF B	
0	C743	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C744	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C745	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C747	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C749	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C761	1-162-968-11	CAP, CHIP CERAMIC 4700PF B (1608)	
0	C762	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C763	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C767	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C768	1-115-156-11	CAP, CHIP CERAMIC 1000000PF F (1608)	
0	C773	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C774	1-162-970-11	CAP, CHIP CERAMIC 10000PF B (1608)	
0	C775	1-164-156-11	CAP, CHIP CERAMIC 0.1MF F (1608)	
0	C776	1-115-566-11	CAP, CHIP CERAMIC 4.7MF B	
			<CONNECTOR>	
0	CN102	1-770-305-11	CONNECTOR, FFC/FPC 10P	
0	CN104	1-779-028-11	CONNECTOR, SQUARE TYPE 8P	
0	CN502	1-779-029-11	CONNECTOR, SQUARE TYPE 12P	
0	CN602	1-766-278-11	PIN, CONNECTOR (PC BOARD) 5P	
0	CN701	1-573-290-21	PIN, CONNECTOR (1.5MM) (SMD)4P	
0	CN702	1-779-071-21	CONNECTOR, FFC/FPC 16P	
			<DIODE>	
0	D101	8-719-066-17	DIODE HZM6.8E-T148	
0	D103	8-719-067-59	DIODE MAZ9120D0LS0-TX/L	
0	D104	8-719-066-17	DIODE HZM6.8E-T148	
0	D503	8-719-067-59	DIODE MAZ9120D0LS0-TX/L	
0	D510	8-719-067-59	DIODE MAZ9120D0LS0-TX/L	
0	D511	8-719-423-30	DIODE MA8120-TX	
			<ON BOARD CONTACT>	
0	ET101	1-694-592-21	ON BOARD CONTACT	
0	ET102	1-694-592-21	ON BOARD CONTACT	
			<FERRITE BEAD >	
0	FB102	1-469-110-11	FERRITE, EMI (SMD)	
0	FB111	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB111	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)
0	FB112	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB112	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)

SC	Ref.	Part No.	Description	Remark
0	FB113	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB113	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)
0	FB114	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB114	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)
0	FB115	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB115	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)
0	FB116	1-216-295-11	FERRITE, EMI (SMD)	(for 9000)
0	FB116	1-414-813-11	FERRITE, EMI (SMD)	(for 9001/9002/9003)
0	FB117	1-414-555-11	FERRITE, EMI (SMD)	
0	FB118	1-414-555-11	FERRITE, EMI (SMD)	
0	FB119	1-414-555-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB120	1-414-555-11	FERRITE, EMI (SMD)	
0	FB121	1-414-555-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB122	1-414-555-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB123	1-414-555-11	FERRITE, EMI (SMD)	
0	FB124	1-414-656-11	FERRITE, EMI (SMD)	
0	FB401	1-500-113-11	BEAD, FERRITE (CHIP)	
0	FB402	1-500-113-11	BEAD, FERRITE (CHIP)	
0	FB501	1-500-268-11	BEAD, FERRITE (SMD)	(for 9001/9002/9003)
0	FB502	1-500-113-11	BEAD, FERRITE (CHIP)	
0	FB503	1-500-113-11	BEAD, FERRITE (CHIP)	
0	FB602	1-469-324-11	FERRITE, EMI (SMD)	
0	FB701	1-469-324-11	FERRITE, EMI (SMD)	
0	FB702	1-469-324-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB703	1-469-324-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB704	1-469-324-11	FERRITE, EMI (SMD)	(for PU23-11/-21/-31/-41)
0	FB710	1-414-555-11	FERRITE, EMI (SMD)	
			<IC >	
S	IC102	8-759-496-57	IC MSM534031E-07GS-KPR2	(9000)
S	IC102	8-759-537-54	IC MSM534031E-10GS-KPR2	(9002A/9002B/9002C)
S	IC102	8-759-537-49	IC KM23V4000DG-15-KF5316J	(9001/9003)
S	IC103	8-759-387-16	IC CXD8606Q	
S	IC106	8-759-496-87	IC T7X16(YEL)	
S	IC201	8-759-393-44	IC UPD481850GF-A12	
S	IC203	8-759-366-69	IC CXD8561Q	
S	IC204	8-759-496-22	IC CY2081SL-500T	(9000/9001/9003)
S	IC204	8-759-496-23	IC CY2081SL-509T	(9002A/9002B/9002C)
S	IC304	8-759-598-55	IC MC68HC05G6-SC430942PB	
S	IC304	8-759-598-55	IC MC68HC05G6-SC430942PB	(9000/9003)
S	IC304	8-759-598-56	IC MC68HC05G6-SC430943PB	(9002A/9002B/9002C)
S	IC304	8-759-598-57	IC MC68HC05G6-SC430944PB	(9001)
S	IC310	8-759-342-01	IC MB814260-70PJER	(for PU23-41)
S	IC310	8-759-644-81	IC NN514267 ATT-50	(for PU23-11/-21/-31/-51)
S	IC405	8-759-598-10	IC NJM2174	
S	IC502	8-752-086-02	IC CXA2106R-T4	
S	IC601	8-759-284-63	IC TA78M05F(TE16L)	
S	IC602	8-759-598-12	IC LP29851MX-3.5	
S	IC722	8-759-496-42	IC BA5977FP-E2	
S	IC723	8-752-087-83	IC CXA2575N-T4	
S	IC732	8-752-395-18	IC CXD2938Q	

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety. Replace only with part number specified.

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SC	Ref.	Part No.	Description	Remark
			<JAMPER >	
0	JR201	1-216-864-11	CONDUCTOR, CHIP (1608)	
0	JR202	1-216-864-11	CONDUCTOR, CHIP (1608)	
0	JR203	1-216-864-11	CONDUCTOR, CHIP (1608)	
			<INDUCTOR >	
0	L102	1-412-052-11	INDUCTOR (SMALL TYPE) 1UH	
0	L507	1-412-960-21	CHIP INDUCTOR 56uH	(9000/9001/9003 PU23-11/-21/-31)
0	L507	1-412-959-21	CHIP INDUCTOT 47uH	(9002A/9002B/9002C PU23-11/-21/-31/-41)
0	L104	1-412-052-11	INDUCTOR (SMALL TYPE) 1UH	
0	L106	1-412-052-11	INDUCTOR (SMALL TYPE) 1UH	
0	L203	1-414-482-11	INDUCTOR, CHIP 82.0NH (2012)	
0	L304	1-412-951-11	INDUCTOR, SMALL TYPE 10UH (2518)	
0	L401	1-412-951-11	INDUCTOR, SMALL TYPE 10UH (2518)	
0	L601	1-412-052-11	INDUCTOR (SMALL TYPE) 1UH	
0	L604	1-110-733-41	CHIP INDUCTOR 0.22UH	(for PU23-11/-21/-31/-41)
0	L604	1-412-052-21	INDUCTOR (SMALL TYPE) 1UH	(for PU23-51)
0	L606	1-110-378-41	CHIP INDUCTOR 5.6UH	(for PU23-11/-21/-31/-41)
0	L606	1-412-951-21	INDUCTOR, SMALL TYPE 10UH (2518)	(for PU23-51)
0	L607	1-412-067-21	INDUCTOR (SMALL TYPE) 330UH	(for PU23-11/-21/-31/-41)
0	L607	1-412-960-21	INDUCTOR, SMALL TYPE 56UH (2518)	(for PU23-51)
0	L701	1-412-951-11	INDUCTOR, SMALL TYPE 10UH (2518)	
			<LINK, IC >	
S ⚠	PS601	1-576-123-21	LINK, IC 0.8A	
S ⚠	PS602	1-576-123-21	LINK, IC 0.8A	
S ⚠	PS603	1-576-123-21	LINK, IC 0.8A	
S ⚠	PS604	1-576-384-21	LINK, IC 2.3A	
S ⚠	PS605	1-576-259-21	LINK, IC 0.6A	
			<TRANSISTOR >	
0	Q105	8-729-035-63	TRANSISTOR FMG9A-T148	
0	Q106	8-729-035-63	TRANSISTOR FMG9A-T148	
0	Q505	8-729-049-77	TRANSISTOR HN1B01F	
0	Q701	8-729-920-79	TRANSISTOR 2SB1132-T100-QR	
			<RESISTOR >	
0	R104	1-220-732-11	RES, CHIP 22 (1608)	
0	R132	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R133	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R134	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R135	1-220-736-11	RES, CHIP 470 (1608)	
0	R136	1-220-736-11	RES, CHIP 470 (1608)	
0	R137	1-216-805-11	RES, CHIP 47 (1608)	
0	R138	1-216-805-11	RES, CHIP 47 (1608)	
0	R139	1-220-736-11	RES, CHIP 470 (1608)	(for PU23-11/-21/-31/-41)
0	R140	1-220-736-11	RES, CHIP 470 (1608)	(for PU23-11/-21/-31/-41)

SC	Ref.	Part No.	Description	Remark
0	R141	1-220-736-11	RES, CHIP 470 (1608)	(for PU23-11/-21/-31/-41)
0	R142	1-220-736-11	RES, CHIP 470 (1608)	(for PU23-11/-21/-31/-41)
0	R146	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R148	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R150	1-216-805-11	RES, CHIP 47 (1608)	
0	R154	1-216-815-11	RES, CHIP 330 (1608)	
0	R204	1-220-732-11	RES, CHIP 22 (1608)	
0	R205	1-216-813-11	RES, CHIP 220 (1608)	
0	R206	1-220-732-51	RES, CHIP 22 (1608)	
0	R207	1-216-829-11	RES, CHIP 4.7K (1608)	
0	R215	1-216-829-11	RES, CHIP 4.7K (1608)	
0	R338	1-216-830-11	RES, CHIP 5.6K (1608)	
0	R340	1-220-732-51	RES, CHIP 22 (1608)	
0	R341	1-220-732-51	RES, CHIP 22 (1608)	
0	R342	1-220-732-51	RES, CHIP 22 (1608)	
0	R344	1-216-864-11	CONDUCTOR, CHIP (1608)	
0	R345	1-216-864-11	CONDUCTOR, CHIP (1608)	
0	R425	1-216-827-11	RES, CHIP 3.3K (1608)	
0	R426	1-216-827-11	RES, CHIP 3.3K (1608)	
0	R429	1-216-809-11	RES, CHIP 100 (1608)	
0	R430	1-216-809-11	RES, CHIP 100 (1608)	
0	R501	1-216-825-11	RES, CHIP 2.2K (1608)	
0	R517	1-218-285-01	RES, CHIP 75 (1608)	
0	R518	1-218-285-01	RES, CHIP 75 (1608)	(for PU23-11/-21/-31/-41)
0	R519	1-218-285-01	RES, CHIP 75 (1608)	(for PU23-11/-21/-31/-41)
0	R520	1-218-285-01	RES, CHIP 75 (1608)	(for PU23-11/-21/-31/-41)
0	R521	1-218-285-01	RES, CHIP 75 (1608)	(for PU23-11/-21/-31/-41)
0	R522	1-218-285-01	RES, CHIP 75 (1608)	(for PU23-11/-21/-31/-41)
0	R527	1-216-839-11	RES, CHIP 33K (1608)	
0	R528	1-216-839-11	RES, CHIP 33K (1608)	
0	R529	1-220-371-11	RES, CHIP 4.3K (1608)	
0	R541	1-216-833-11	RES, CHIP 10K (1608)	
0	R542	1-216-833-11	RES, CHIP 10K (1608)	
0	R543	1-218-859-91	RES, CHIP 3.3K (1608)	(for PU23-51)
0	R606	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R619	1-216-295-11	CONDUCTOR, CHIP (2012)	
0	R620	1-216-295-11	CONDUCTOR, CHIP (2012)	
0	R701	1-216-829-11	RES, CHIP 4.7K (1608)	
0	R702	1-216-835-11	RES, CHIP 15K (1608)	
0	R703	1-216-841-11	RES, CHIP 47K (1608)	
0	R704	1-216-833-11	RES, CHIP 10K (1608)	
0	R705	1-216-845-11	RES, CHIP 100K (1608)	
0	R706	1-216-853-11	RES, CHIP 470K (1608)	
0	R710	1-216-833-11	RES, CHIP 10K (1608)	
0	R712	1-216-827-11	RES, CHIP 3.3K (1608)	
0	R714	1-216-827-11	RES, CHIP 3.3K (1608)	
0	R717	1-216-809-11	RES, CHIP 100 (1608)	
0	R723	1-216-839-11	RES, CHIP 33K (1608)	
0	R725	1-216-829-11	RES, CHIP 4.7K (1608)	
0	R727	1-216-835-11	RES, CHIP 15K (1608)	

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Reproduction Prohibited

SC	Ref.	Part No.	Description	Remark
0	R732	1-216-835-11	RES, CHIP 15K (1608)	
0	R733	1-216-845-11	RES, CHIP 100K (1608)	
0	R734	1-216-825-11	RES, CHIP 2.2K (1608)	
0	R738	1-220-371-11	RES, CHIP 4.3K (1608)	
0	R739	1-216-823-11	RES, CHIP 1.5K (1608)	
0	R740	1-216-821-11	RES, CHIP 1.0K (1608)	
0	R741	1-216-834-11	RES, CHIP 12K (1608)	
0	R745	1-218-884-01	RES, CHIP 36K (1608)	
0	R746	1-218-884-01	RES, CHIP 36K (1608)	
0	R747	1-216-009-11	RES, CHIP 22 (2012)	
0	R748	1-218-883-01	RES, CHIP 33K (1608)	
0	R749	1-218-883-01	RES, CHIP 33K (1608)	
0	R750	1-216-009-11	RES, CHIP 22 (2012)	
0	R769	1-218-286-01	RES, CHIP 91 (1608)	
0	R770	1-216-845-11	RES, CHIP 100K (1608)	
0	R774	1-216-864-11	CONDUCTOR, CHIP (1608)	
0	R775	1-216-841-11	RES, CHIP 47K (1608)	
0	R783	1-216-829-11	RES, CHIP 4.7K (1608)	
0	R793	1-216-845-11	RES, CHIP 100K (1608)	
0	R795	1-216-833-11	RES, CHIP 10K (1608)	
0	R901	1-216-864-11	CONDUCTOR, CHIP (1608)	(9000)
0	R902	1-216-864-11	CONDUCTOR, CHIP (1608)	(9001)
0	R903	1-216-864-11	CONDUCTOR, CHIP (1608)	(9002)
0	R904	1-216-864-11	CONDUCTOR, CHIP (1608)	(9003)
			<RESISTOR BLOCK >	
0	RB119	1-234-030-21	NETWORK RES, 22	
0	RB120	1-234-030-21	NETWORK RES, 22	
0	RB121	1-234-030-21	NETWORK RES, 22	
0	RB122	1-234-030-21	NETWORK RES, 22	
0	RB123	1-233-955-21	NETWORK RES, 100	
0	RB124	1-233-967-21	NETWORK RES, 10K	
0	RB125	1-234-030-21	NETWORK RES, 22	
0	RB126	1-233-959-21	NETWORK RES, 470	(for PU23-51)
0	RB201	1-234-030-21	NETWORK RES, 22	
0	RB202	1-234-030-21	NETWORK RES, 22	
0	RB501	1-234-482-21	NETWORK RES, 75	(for PU23-51)
0	RB502	1-234-482-21	NETWORK RES, 75	(for PU23-51)
			<SWITCH >	
S	S301	1-771-764-11	SWITCH	
			<CRYSTAL>	
S	X201	1-767-783-21	VIBRATOR, CRYSTAL	(9000/9001/9003)
S	X201	1-767-940-21	VIBRATOR, CRYSTAL	(9002A/9002B/9002C)

SC	Ref.	Part No.	Description	Remark
			ACCESSORIES & PACKING MATERIALS	
0	⚠ AC	1-769-322-11	CORD, POWER 2P	(9000)
0	⚠ AC	1-790-107-22	CORD, POWER	(9001)
0	⚠ AC	1-575-131-11	CORD, POWER	(9002C)
0	⚠ AC	1-751-673-21	CORD, AC POWER	(9002B)
0	⚠ AC	1-696-819-21	CORD, AC POWER	(9002A)
0	⚠ AC	1-777-806-11	CORD, POWER	(9003)
0	⚠ ADPTOR	1-569-008-11	ADOPTOR CONVERSION.	(9003)
S	AV	1-777-918-31	CORD, CONNECTION	(Except 9002B)
0	RFU	1-475-177-43	ADAPTOR, RF	(9002B)
0	CONV	1-573-291-11	CONNECTOR, CONVERSION	(9002C)
S	CONTROLLER	1-783-928-15	ANALOG CONTROLLER	
0	SHEET	3-961-986-01	SHEET, PROTECTION	
0	CUSHION	3-967-122-01	CUSHION	
0	CARTON	3-987-032-21	INDIVIUAL CARTON	(9000)
0	CARTON	3-987-178-61	INDIVIUAL CARTON	(9001)
0	CARTON	3-050-234-61	INDIVIUAL CARTON	(9002C)
0	CARTON	3-050-234-71	INDIVIUAL CARTON	(9002B)
0	CARTON	3-987-178-71	INDIVIUAL CARTON	(9002A)
0	CARTON	3-050-234-81	INDIVIDUAL CARTON	(9003)
0	CONSOLE	A-6788-646-A	OVERALL ASSY, MAIN	(9000)
0	CONSOLE	A-6788-647-A	OVERALL ASSY, MAIN	(9002A/9002B/9002C)
0	CONSOLE	A-6788-648-A	OVERALL ASSY, MAIN	(9001)
0	CONSOLE	A-6788-649-A	OVERALL ASSY, MAIN	(9003)

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Reproduction Prohibited

SC	Ref.	Part No.	Description	Remark
S⚠	PSB	1-468-366-11	Power Block	(9000)
			<CAPACITOR>	
⚠	C001		FILM 0.1uF 125V	
⚠	C003		ELECT 100uF 200V	
⚠	C004		CERAMIC 120uF 200V	
⚠	C005		FILM 0.1uF 50V	
⚠	C007		CERAMIC 1000PF 250V	
⚠	C008		FILM 4700PF 50V	
⚠	C009		FILM 6800PF 50V	
⚠	C010		CERAMIC 4700PF 250V	
⚠	C013		FILM 2200PF 50V	
⚠	C102		ELECT 560uF 25V	
⚠	C103		ELECT 560uF 25V	
⚠	C104		ELECT 220uF 25V	
⚠	C105		ELECT 220uF 25V	
⚠	C106		FILM 0.1uF 50V	
⚠	C109		FILM 0.047uF 50V	
⚠	C110		FILM 0.047uF 50V	
			<CONNECTOR>	
⚠	CN1		AC-INLET ACM08PG39	
⚠	CN101		CONNECTOR 5P B5BEHPSTV4	
			<DIODE>	
⚠	D001		DIODE ERA15-04	
⚠	D002		DIODE ERA15-04	
⚠	D003		DIODE ERA15-04	
⚠	D004		DIODE ERA15-04	
⚠	D006		DIODE MA165	
⚠	D007		DIODE MA165	
⚠	D009		DIODE MA165	
⚠	D011		DIODE AP01C	
⚠	D101		DIODE SB340	
⚠	D102		DIODE SB340	
⚠	PD101		DIODE LNJ301MPUJAD	
⚠	ZD001		DIODE MA4047	
⚠	ZD102		DIODE MA7051B	
⚠	ZD103		DIODE RD12EB	
			<FUSE>	
⚠	F001		FUSE 2A 250V	
			<IC>	
⚠	IC101		IC VISA41K01	

SC	Ref.	Part No.	Description	Remark
			<FILTER>	
⚠	L001		CHOKE COIL ELF15N004A	
⚠	L101		CHOKE COIL 2R5N	
⚠	L102		CHOKE COIL 2R5N	
⚠	L103		INDUCTOR EXCELSA35T	
			<TRANSISTOR>	
⚠	Q001		TRANSISTOR 2SK2125	
⚠	Q002		TRANSISTOR 2SD1450	
			<PHOTO CUPPLER>	
⚠	PC001		PHOTO CUPPLER PS2501-1	
			<TRANSFORMER POWER>	
⚠	T001		TRANSFORMER ETB29KL115AC	
			<RESISTOR>	
⚠	R001		CARBON 470K 1/2W	
⚠	R002		CARBON 30K 1/2W	
⚠	R003		METAL 300K 1/4W	
⚠	R004		METAL 220 1W	
⚠	R006		CARBON 220 1/2W	
⚠	R007		CARBON 15K 1/4W	
⚠	R008		METAL 13.0K-15.0K 1/4W	
⚠	R009		CARBON 82 1/4W	
⚠	R010		CARBON 220 1/4W	
⚠	R011		METAL 82K-120K 2W	
⚠	R111		METAL 1.78K 1/4W	
⚠	R113		CARBON 220-360 1/4W	
⚠	R114		METAL 1K 1/4W	
⚠	R117		JAMPER 0	
⚠	R118		CARBON 1K 1/4W	
⚠	R119		CARBON 100 1/4W	
			<SWITCH>	
⚠	SW101		SWITCH ESB32101N	
⚠	SW102		SWITCH ESE20B6	

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Reproduction Prohibited

SC	Ref.	Part No.	Description	Remark
S⚠	PSB	1-468-365-11	Power Block	(9001)
			<CAPACITOR>	
⚠	C001		FILM 0.1uF 275V	
⚠	C003		ELECT 100uF 200V	
⚠	C004		CERAMIC 220PF 1KV	
⚠	C005		FILM 0.1uF 50V	
⚠	C007		CERAMIC 1000PF 250V	
⚠	C008		FILM 4700PF 50V	
⚠	C009		FILM 6800PF 50V	
⚠	C010		CERAMIC 4700PF 250V	
⚠	C013		FILM 2200PF 50V	
⚠	C102		ELECT 560uF 25V	
⚠	C103		ELECT 560uF 25V	
⚠	C104		ELECT 220uF 25V	
⚠	C105		ELECT 220uF 25V	
⚠	C106		FILM 0.1uF 50V	
⚠	C109		FILM 0.047uF 50V	
⚠	C110		FILM 0.047uF 50V	
			<CONNECTOR>	
⚠	CN1		AC-INLET ACM09PG41	
⚠	CN101		CONNECTOR 5P B5BEHPSTV4	
			<DIODE>	
⚠	D001		DIODE ERA15-04	
⚠	D002		DIODE ERA15-04	
⚠	D003		DIODE ERA15-04	
⚠	D004		DIODE ERA15-04	
⚠	D006		DIODE MA165	
⚠	D007		DIODE MA165	
⚠	D009		DIODE MA165	
⚠	D011		DIODE AP01C	
⚠	D101		DIODE SB340	
⚠	D102		DIODE SB340	
⚠	PD101		DIODE LNJ301MPUJAD	
⚠	ZD001		DIODE MA4047	
⚠	ZD102		DIODE MA7051B	
⚠	ZD103		DIODE RD12EB	
			<FUSE>	
⚠	F001		FUSE 2A 250V	
			<IC>	
⚠	IC101		IC VISA41K01	

SC	Ref.	Part No.	Description	Remark
			<FILTER>	
⚠	L001		CHOKE COIL ELF15N004A	
⚠	L101		CHOKE COIL 2R5N	
⚠	L102		CHOKE COIL 2R5N	
⚠	L103		INDUCTOR EXCELSA35	
			<TRANSISTOR>	
⚠	Q001		TRANSISTOR 2SK2125	
⚠	Q002		TRANSISTOR 2SD1450	
			<PHOTO CUPPLER>	
⚠	PC001		PHOTO CUPPLER PS2501-1	
			<TRANSFORMER POWER>	
⚠	T001		TRANSFORMER ETB29KL115AC	
			<RESISTOR>	
⚠	R001		CARBON 470K 1/2W	
⚠	R002		CARBON 30K 1/2W	
⚠	R003		METAL 300K 1/4W	
⚠	R004		METAL 220 1W	
⚠	R005		CARBON 6.8M 1/2W	
⚠	R006		CARBON 220 1/2W	
⚠	R007		CARBON 15K 1/4W	
⚠	R008		METAL 13.0K-15.0K 1/4W	
⚠	R009		CARBON 82 1/4W	
⚠	R010		CARBON 220 1/4W	
⚠	R011		METAL 82K-120K 2W	
⚠	R111		METAL 1.78K 1/4W	
⚠	R113		CARBON 220-360 1/4W	
⚠	R114		METAL 1K 1/4W	
⚠	R117		JAMPER 0	
⚠	R118		CARBON 1K 1/4W	
⚠	R119		CARBON 100 1/4W	
			<SWITCH>	
⚠	SW101		SWITCH ESB32101N	
⚠	SW102		SWITCH ESE20B6	

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Reproduction Prohibited

SC	Ref.	Part No.	Description	Remark
S⚠	PSB	1-468-303-31	Power Block	(9002)
			<CAPACITOR>	
⚠	C001		FILM 0.047uF 250V	
⚠	C002		FILM 0.047uF 250V	
⚠	C003		ELECT 47uF 400V	
⚠	C004		CERAMIC 68PF 1KV	
⚠	C006		FILM 0.022uF 100V	
⚠	C007		CERAMIC 0.1uF 50V	
⚠	C008		FILM 0.047uF 100V	
⚠	C010		CERAMIC 2200PF 250V	
⚠	C011		CERAMIC 2200PF 250V	
⚠	C012		CERAMIC 0.1uF 50V	
⚠	C013		FILM 0.047uF 100V	
⚠	C014		FILM 0.047uF 100V	
⚠	C101		ELECT 560uF 16V	
⚠	C102		ELECT 560uF 16V	
⚠	C103		ELECT 180uF 16V	
⚠	C104		ELECT 180uF 16V	
⚠	C105		ELECT 2.2uF 50V	
⚠	C106		ELECT 1uF 50V	
			<CONNECTOR>	
⚠	CN1		AC-INLET ACMO8PG39	
⚠	CN2		CONNECTOR 5P B5B-PS-TV4	
			<DIODE>	
⚠	D001		DIODE MPG06J	
⚠	D002		DIODE MPG06J	
⚠	D003		DIODE MPG06J	
⚠	D004		DIODE MPG06J	
⚠	D007		DIODE 1SS270A	
⚠	D009		DIODE RD20EST10AB2	
⚠	D010		DIODE 1SS270A	
⚠	D011		DIODE 1SS270A	
⚠	D012		DIODE 1SS270A	
⚠	D101		DIODE ERCB1004	
⚠	D102		DIODE ERCB1004	
⚠	D103		DIODE RD10EST1AB2	
⚠	D104		DIODE 1SS270A	
⚠	D105		DIODE RD5.1EST1AB2	
⚠	D106		DIODE 1SS270A	
⚠	PD101		DIODE SLR-325MC	
			<FUSE>	
⚠	F001		FUSE 1.6A 250V	

SC	Ref.	Part No.	Description	Remark
			<IC>	
⚠	IC101		IC UPC1093J	
⚠	IC102		IC M51957BL	
			<FILTER>	
⚠	L001		CHOKE COIL LF-4D-333	
⚠	L002		CHOKE COIL RS204	
⚠	L101		CHOKE COIL TSL0709RA100K1R9	
⚠	L102		CHOKE COIL TSL0709RA100K1R9	
			<TRANSISTOR>	
⚠	Q001		TRANSISTOR 2SK2666	
⚠	Q002		TRANSISTOR 2SC1741S	
⚠	Q101		TRANSISTOR DTC143ES	
			<PHOTO CUPPLER>	
⚠	PC001		PHOTO CUPPLER PS2561-1DV	
			<TRANSFORMER POWER>	
⚠	T001		TRANSFORMER N-T01-099	
			<RESISTOR>	
⚠	R001		CARBON 330K 1/2W	
⚠	R003		CARBON 680K 1/2W	
⚠	R005		CARBON 560 1/4W	
⚠	R006		CARBON 12K 1/4W	
⚠	R007		CARBON 10 1/4W	
⚠	R009		METAL 0.82 1W	
⚠	R010		CARBON 560 1/4W	
⚠	R011		CARBON 3.9K 1/4W	
⚠	R012		CARBON 1K 1/4W	
⚠	R014		CARBON 270 1/4W	
⚠	R015		CARBON 180 1/4W	
⚠	R016		CARBON 1K 1/4W	
⚠	R017		CARBON 180 1/4W	
⚠	R018		CARBON 270 1/4W	
⚠	R101		CARBON 560 1/4W	
⚠	R102		CARBON 100 1/4W	
⚠	R103		CARBON 100 1/4W	
⚠	R104		CARBON 470 1/4W	
⚠	R105		CARBON 470 1/4W	
⚠	R106		METAL 470 1/4W	
⚠	R107		METAL 953-1.13K 1/4W	
⚠	R108		CARBON 120 1/4W	
⚠	R109		METAL 13.3K 1/4W	

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SC	Ref.	Part No.	Description	Remark
⚠	R110		METAL 10K 1/4W	
⚠	R111		CARBON 15 1/4W	
⚠	R112		CARBON 180 1/4W	
			<SWITCH>	
⚠	SW101		SWITCH ESB32101N	
⚠	SW102		SWITCH ESE20B9	
S⚠	PSB	1-468-243-11	Power Block	(9003)
			<CAPACITOR>	
⚠	C001		FILM 0.1uF 257V	
⚠	C003		CERAMIC 2200PF 250V	
⚠	C004		CERAMIC 2200PF 250V	
⚠	C005		ELECT 82uF 400V	
⚠	C008		CERAMIC 47PF 1KV	
⚠	C009		FILM 0.15uF 50V	
⚠	C010		FILM 2200PF 50V	
⚠	C011		FILM 6800PF 50V	
⚠	C012		FILM 4700PF 630V	
⚠	C013		FILM 1000PF 50V	
⚠	C102		ELECT 560uF 25V	
⚠	C103		ELECT 560uF 25V	
⚠	C104		ELECT 220uF 25V	
⚠	C105		ELECT 330uF 25V	
⚠	C106		FILM 0.068uF 50V	
⚠	C107		ELECT 1uF 50V	
			<CONNECTOR>	
⚠	CN001		AC-INLET 250V 2.5A	
⚠	CN101		CONNECTOR EH5	
			<DIODE>	
⚠	D001		DIODE 600V 1A	
⚠	D003		DIODE 80V 0.15A	
⚠	D004		DIODE 80V 0.15A	
⚠	D007		DIODE 80V 0.15A	
⚠	D007		DIODE 1KV 0.5A	
⚠	D101		DIODE 35V 10A	
⚠	D102		DIODE 60V 6A	
⚠	D103		DIODE 45V 5A	
⚠	ZD001		ZENER DIODE 4.7V 0.4W	
⚠	ZD002		ZENER DIODE 5.6V 0.4W	
⚠	ZD101		ZENER DIODE 5.1V 0.4W	
⚠	ZD102		ZENER DIODE 5.1V 0.5W	
⚠	ZD103		ZENER DIODE 12V 0.5W	
⚠	ZD104		ZENER DIODE 5.1V 0.4W	
			<FUSE>	
⚠	F001		FUSE 250V 1.6A	
			<IC>	
⚠	IC101		IC 1.25V RESET	
			<COIL>	
⚠	L001		FILTER CHOKE 43mH 0.3A	
⚠	L101		CHOKE 3.3mH 2.5A	
⚠	L102		CHOKE 3.3mH 2.5A	

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Reproduction Prohibited

SC	Ref.	Part No.	Description	Remark
			<TRANSISTOR>	
⚠	Q001		TRANSISTOR 50W 800V3	
⚠	Q002		TRANSISTOR 0.3W 25V	
⚠	Q101		TRANSISTOR 0.3W 50V	
⚠	Q102		TRANSISTOR 0.3W 50V	
⚠	Q103		TRANSISTOR 0.3W 50V	
⚠	Q104		TRANSISTOR 0.3W 50V	
			<PHOTO CUPPLER>	
⚠	PC001		OPTOISOLATOR PC	
			<TRANSFORMER POWER>	
⚠	T001		TRANSFORMER ETB28AE166**	
			<RESISTOR>	
⚠	R001		CARBON 470K 1/2W	
⚠	R002		CARBON 15K 1/4W	
⚠	R003		METAL OXIDE 300 1W	
⚠	R004		METAL 11K 1/4W	
⚠	R005		CARBON 33 1/4W	
⚠	R006		METAL 20K 1/4W	
⚠	R007		CARBON 390 1/4W	
⚠	R008		CARBON 150 1/2W	
⚠	R009		CARBON 82K 1/4W	
⚠	R010		CARBON 82K 1/4W	
⚠	R011		METAL OXIDE 100K 2W	
⚠	R012		CARBON 100K 1/4W	
⚠	R013		CARBON 100K 1/4W	
⚠	R103		CARBON 56 1/4W	
⚠	R104		METAL 324-374 1/4W	
⚠	R105		METAL 768 1/4W	
⚠	R107		CARBON 220 1/4W	
⚠	R108		CARBON 220 1/4W	
⚠	R110		CARBON 1.5K 1/4W	
⚠	R111		CARBON 15 1/4W	
⚠	R112		CARBON 180K 1/4W	
⚠	R113		METAL 13.3K 1/4W	
⚠	R114		METAL 10K 1/4W	
⚠	R115		CARBON 130 1/4W	
⚠	R116		CARBON 56 1/4W	
⚠	R117		CARBON 1.2K 1/4W	
			<SWITCH>	
⚠	SW101		SWITCH ESB32101M	
⚠	SW102		SWITCH ESE20B6	

SC	Ref.	Part No.	Description	Remark

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